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ABSTRACT

<Insert Abstract Text here>



KEYWORDS

The following are keywords to be used by search engines and document catalogues.

keyword_1, keyword_2, keyword_3, etc.



PREFACE

NOTE: Insert Preface Text here. Give OGC specific commentary: describe the technical content, reason for document, history of the document and precursors, and plans for future work.

There are two ways to specify the Preface: “simple clause” or “full clause”

If the Preface does not contain subclauses, it is considered a simple preface clause. This one is entered as text after the `.Preface` label and must be placed between the AsciiDoc document attributes and the first AsciiDoc section title. It should not be give a section title of its own.

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IV

SECURITY CONSIDERATIONS

No security considerations have been made for this Standard.

V

SUBMITTERS

All questions regarding this submission should be directed to the editor or the submitters:

NAME	AFFILIATION	OGC MEMBER
Steve Liang	University of Calgary, Canada / SensorUp Inc.	Yes

VI

SOURCE OF THE CONTENT FOR THIS OGC DOCUMENT

VII

VALIDITY OF CONTENT

VIII

FUTURE WORK

NOTE:If you need to place any further sections in the preface area use the [.preface] attribute.



CONTRIBUTORS

Additional contributors to this Standard include the following:

Individual name(s), Organization



1

SCOPE



SCOPE

<Insert Scope text here>

NOTE: Give the subject of the document and the aspects of that scope covered by the document.



2

CONFORMANCE

2

CONFORMANCE

<Insert conformance content here>

NOTE: Provide a short description of the content approached in subsequent sections and the main subject of the document



3

NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Identification of Common Molecular Subsequences. Smith, T.F., Waterman, M.S., J. Mol. Biol. 147, 195–197 (1981)

ZIB Structure Prediction Pipeline: Composing a Complex Biological Workflow through Web Services. May, P., Ehrlich, H.C., Steinke, T. In: Nagel, W.E., Walter, W.V., Lehner, W. (eds.) Euro-Par 2006. LNCS, vol. 4128, pp. 1148–1158. Springer, Heidelberg (2006)

The Grid: Blueprint for a New Computing Infrastructure., Foster, I., Kesselman, C.. Morgan Kaufmann, San Francisco (1999).

Grid Information Services for Distributed Resource Sharing. Czajkowski, K., Fitzgerald, S., Foster, I., Kesselman, C. In: 10th IEEE International Symposium on High Performance Distributed Computing, pp. 181–184. IEEE Press, New York (2001)



4

TERMS AND DEFINITIONS

This document uses the terms defined in OGC Policy Directive 49, which is based on the ISO/IEC Directives, Part 2, Rules for the structure and drafting of International Standards. In particular, the word “shall” (not “must”) is the verb form used to indicate a requirement to be strictly followed to conform to this document and OGC documents do not use the equivalent phrases in the ISO/IEC Directives, Part 2.

This document also uses terms defined in the OGC Standard for Modular specifications (OGC 08-131r3), also known as the ‘ModSpec’. The definitions of terms such as standard, specification, requirement, and conformance test are provided in the ModSpec.

For the purposes of this document, the following additional terms and definitions apply.

4.1. example term

term used for exemplary purposes

Note 1 to entry: An example note.

Example Here’s an example of an example term.

[SOURCE:]



5

CONVENTIONS

NOTE: This section provides details and examples for any conventions used in the document. Examples of conventions are symbols, abbreviations, use of XML schema, or special notes regarding how to read the document.

5.1. Identifiers

The normative provisions in this standard are denoted by the URI

<http://www.opengis.net/spec/{standard}/{m.n}>

All requirements and conformance tests that appear in this document are denoted by partial URIs which are relative to this base.

5.2. Other conventions

<Place any other convention needed with its corresponding title>



6

CORE

This clause establishes the **Core** Requirements class, with IRI /req/core, which has a corresponding Conformance Class, **Core**, with IRI /conf/core.

6.1. Class: geosrs:CoordinateSystem

Table 1 — geosrs:CoordinateSystem

URI	https://w3id.org/geosrs/cs/CoordinateSystem
Definition	Set of axes that spans a given coordinate space and of mathematical rules for specifying how coordinates are to be assigned to points. Cf. ISO 19111:2007:2007-07, part 9.2, table 17 and annex B.2.

6.2. Class: geosrs:CartesianCoordinateSystem

Table 2 — geosrs:CartesianCoordinateSystem

URI	https://w3id.org/geosrs/cs/CartesianCoordinateSystem
Definition	Coordinate system which gives the position of points relative to n mutually perpendicular axes. Cf. ISO 19111:2007:2007-07, tables 15 and 18.
Super-classes	PseudoCylindricalProjection

6.3. Class: geosrs:EllipsoidalCoordinateSystem

Table 3 — geosrs:EllipsoidalCoordinateSystem

URI	https://w3id.org/geosrs/cs/EllipsoidalCoordinateSystem
-----	---

Definition	Coordinate system which gives the position is specified by geodetic latitude, geodetic longitude and (in the three-dimensional case) ellipsoidal height. Cf. ISO 19111:2007:2007-07, tables 15 and 20.
Super-classes	PseudoCylindricalProjection

6.4. Class: geosrs:LinearCoordinateSystem

Table 4 — geosrs:LinearCoordinateSystem

URI	https://w3id.org/geosrs/cs/LinearCoordinateSystem
Definition	One-dimensional coordinate system in which a linear feature forms the axis.

6.5. Class: geosrs:OrdinalCoordinateSystem

Table 5 — geosrs:OrdinalCoordinateSystem

URI	https://w3id.org/geosrs/cs/OrdinalCoordinateSystem
Definition	n-dimensional coordinate system in which every axis uses integers.
Super-classes	GeodeticCoordinateSystem

6.6. Class: geosrs:ParametricCoordinateSystem

Table 6 — geosrs:ParametricCoordinateSystem

URI	https://w3id.org/geosrs/cs/ParametricCoordinateSystem
Definition	One-dimensional coordinate system where the axis units are parameter values which are not inherently spatial.

6.7. Class: geosrs:PolarCoordinateSystem

Table 7 — geosrs:PolarCoordinateSystem

URI	https://w3id.org/geosrs/cs/PolarCoordinateSystem
Definition	Two-dimensional coordinate system in Euclidean space in which position is specified by one distance coordinate and one angular coordinate.
Super-classes	GeodeticCoordinateSystem

6.8. Class: geosrs:SphericalCoordinateSystem

Table 8 — geosrs:SphericalCoordinateSystem

URI	https://w3id.org/geosrs/cs/SphericalCoordinateSystem
Definition	Three-dimensional coordinate system in Euclidean space with one distance measured from the origin and two angular coordinates
Super-classes	GeodeticCoordinateSystem

6.9. Class: geosrs:VerticalCoordinateSystem

Table 9 — geosrs:VerticalCoordinateSystem

URI	https://w3id.org/geosrs/cs/VerticalCoordinateSystem
Definition	One-dimensional coordinate system used for gravity related height or depth measurements. Cf. ISO 19111:2007:2007-07, tables 15 and 25.

6.10. Class: geosrs:CoordinateSystemAxis

Table 10 — geosrs:CoordinateSystemAxis

URI	https://w3id.org/geosrs/cs/CoordinateSystemAxis
Definition	Axis relative to which a coordinate of a point is specified in a coordinate system. See ISO 19111:2007:2007-07, part 9.3, table 27 and annex B.2.2.

6.11. Class: geosrs:AreaOfUse

Table 11 — geosrs:AreaOfUse

URI	https://w3id.org/geosrs/srs/AreaOfUse
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6.12. Class: geosrs:CRS

Table 12 — geosrs:CRS

URI	https://w3id.org/geosrs/srs/CRS
Definition	Depending on the spatial dimension of coordinates (1D, 2D, 3D), this piece of metadata is used for specifying the elements of definition associated to a given set of coordinates: its datum, its ellipsoid, its prime meridian, the type of coordinates (geocentric, geographic, projected,...), the coordinates units of measure, when appropriate the cartographic projection used, the vertical coordinate reference system.
Super-classes	3DCoordinateSystem

6.13. Class: geosrs:EngineeringCRS

Table 13 — geosrs:EngineeringCRS

URI	https://w3id.org/geosrs/srs/EngineeringCRS
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6.14. Class: geosrs:GeodeticCRS

Table 14 — geosrs:GeodeticCRS

URI	https://w3id.org/geosrs/srs/GeodeticCRS
Definition	Coordinate reference system associated with a geodetic datum. Cf. ISO 19111:2007:2007-07, part 8.2.2.a, table 10 and annex B.1.2.1.a.

6.15. Class: geosrs:GeographicCRS

Table 15 — geosrs:GeographicCRS

URI	https://w3id.org/geosrs/srs/GeographicCRS
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6.16. Class: geosrs:ProjectedCRS

Table 16 — geosrs:ProjectedCRS

URI	https://w3id.org/geosrs/srs/ProjectedCRS
Definition	Coordinate reference system derived from a two-dimensional geodetic coordinate reference system by applying a map projection. Cf. ISO 19111:2007:2007-07, part 8.2.3.b, table 11 and annex B.1.2.3.

6.17. Class: geosrs:SingleCRS

Table 17 — geosrs:SingleCRS

URI	https://w3id.org/geosrs/srs/SingleCRS
Definition	Coordinate reference system consisting of one coordinate system and one datum. Cf. ISO 19111:2007:2007-07, table 5.

6.18. Class: geosrs:SpatialReferenceSystem

Table 18 — geosrs:SpatialReferenceSystem

URI	https://w3id.org/geosrs/srs/SpatialReferenceSystem
Definition	A reference system allowing the description of a position.
Super-classes	CRS[CRS]

6.19. Class: geosrs:CoordinateOperation

Table 19 — geosrs:CoordinateOperation

URI	https://w3id.org/geosrs/co/CoordinateOperation
Definition	Mathematical operation on coordinates, based on one-to-one relationship, that changes coordinates from one coordinate reference system to another. Cf. ISO 19111:2007:2007-07, part 11.1, table 42 and annex B.4.
Super-classes	CRS[CRS]

6.20. Class: geosrs:SingleOperation

Table 20 — geosrs:SingleOperation

URI	https://w3id.org/geosrs/co/SingleOperation
Definition	A non concatenated coordinate operation. Cf. ISO 19111:2007:2007-07, table 43.
Super-classes	CRS[CRS]

6.21. Class: geosrs:Transformation

Table 21 — geosrs:Transformation

URI	https://w3id.org/geosrs/co/Transformation
Definition	Coordinate operation in which the two coordinate reference systems are based on different datums. Cf. ISO 19111:2007:2007-07, table 44.
Super-classes	CRS[CRS]

6.22. Class: geosrs:Conversion

Table 22 — geosrs:Conversion

URI	https://w3id.org/geosrs/co/Conversion
Definition	Coordinate operation in which both coordinate reference systems are based on the same datum. Cf. ISO 19111:2007:2007-07, table 45 and annex B.4.2.
Super-classes	CRS[CRS]

6.23. Class: geosrs:OperationMethod

Table 23 — geosrs:OperationMethod

URI	https://w3id.org/geosrs/co/OperationMethod
Definition	Method used to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 48 and annex B.4.5.

6.24. Class: geosrs:OperationParameter

Table 24 — geosrs:OperationParameter

URI	https://w3id.org/geosrs/co/OperationParameter
Definition	Parameter used by a method to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 52 and annex B.4.5.

6.25. Class: geosrs:OperationParameterValue

Table 25 — geosrs:OperationParameterValue

URI	https://w3id.org/geosrs/co/OperationParameterValue
Definition	Value of a parameter used by a method to perform an operation on coordinates. See ISO 19111:2007:2007-07, table 55.

6.26. Class: geosrs:Datum

Table 26 — geosrs:Datum

URI	https://w3id.org/geosrs/datum/Datum
Definition	Parameter or set of parameters that define the position of the origin, the scale and the orientation of a coordinate system. Cf. ISO 19111:2007:2007-07, part 10.1, table 33 and annex B.3.

6.27. Class: geosrs:GeodeticDatum

Table 27 — geosrs:GeodeticDatum

URI	https://w3id.org/geosrs/datum/GeodeticDatum
Definition	Datum describing the relation of a two- or three-dimensional coordinate system to the Earth. Cf. ISO 19111:2007:2007-07, part 10.2, table 34 and annex B.3.2.

6.28. Class: geosrs:PrimeMeridian

Table 28 — geosrs:PrimeMeridian

URI	https://w3id.org/geosrs/datum/PrimeMeridian
Definition	Meridian from which the longitudes of other meridians are quantified. Cf. ISO 19111:2007:2007-07, part 10.2.1, table 35 and annex B.3.2.2.

6.29. Class: geosrs:Ellipsoid

Table 29 — geosrs:Ellipsoid

URI	https://w3id.org/geosrs/datum/Ellipsoid
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Definition	Surface formed by the rotation of an ellipse about its minor axis, defined by a semi-major axis and a flattening parameter and fairly geocentric. NB : It is a mathematical model of the geoid, i.e. the Earth without its relief. Many geodetic ellipsoids exist. Cf. ISO 19111:2007:2007-07, part 10.2.2, table 36 and annex B.3.2.3.
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6.30. Class: geosrs:VerticalDatum

Table 30 — geosrs:VerticalDatum

URI	https://w3id.org/geosrs/datum/VerticalDatum
Definition	Datum describing the relation of gravity-related heights or depths to the Earth. Cf. ISO 19111:2007:2007-07, table 41 and annex B.3.3.
Super-classes	Frame[Frame]

6.31. Property: geosrs:semiMajorAxis

The class `geosrs:geosrs:semiMajorAxis` is defined by the following:

Indicates the length of the semi major axis of an ellipsoid. Cf. ISO 19111:2007:2007-07, table 36, attribute length of semi-major axis.

6.32. Property: geosrs:semiMinorAxis

The class `geosrs:geosrs:semiMinorAxis` is defined by the following:

Indicates the length of the semi minor axis of an ellipsoid. Cf. ISO 19111:2007:2007-07, table 37, attribute length of semi-minor axis.

6.33. Property: geosrs:axis

The class `geosrs:geosrs:axis` is defined by the following:

The property relates a coordinate system to one of its axis

6.34. Property: geosrs:baseCRS

The class `geosrs:geosrs:baseCRS` is defined by the following:

The geodetic coordinate reference system on which a projected coordinate reference system is based. Cf. ISO 19111:2007:2007-07, table 11, association role baseCRS.

6.35. Property: geosrs:coordinateSystem

The class `geosrs:geosrs:coordinateSystem` is defined by the following:

The property relates a coordinate reference system to its coordinate system

6.36. Property: geosrs:datum

The class `geosrs:geosrs:datum` is defined by the following:

The property relates a coordinate reference system to a datum

6.37. Property: geosrs:domainOfValidity

The class `geosrs:geosrs:domainOfValidity` is defined by the following:

Geographic area or time interval in which the referring object is valid. Cf. ISO 19111:2007:2007-07, tables 4, 33 and 42, attribute domainOfValidity.

6.38. Property: geosrs:ellipsoid

The class `geosrs:geosrs:ellipsoid` is defined by the following:

The properties relates a datum to its ellipsoid definition

6.39. Property: geosrs:sourceCRS

The class `geosrs:geosrs:sourceCRS` is defined by the following:

The coordinate reference system associated to the data used as input of a given operation. Cf. ISO 19111:2007:2007-07, table 42, named association Source.

6.40. Property: geosrs:targetCRS

The class `geosrs:geosrs:targetCRS` is defined by the following:

The coordinate reference system associated to the data obtained as output of a given operation. Cf. ISO 19111:2007:2007-07, table 42, named association Target.

7

COORDINATE OPERATION MODULE

7

COORDINATE OPERATION MODULE

This clause establishes the **Co** Requirements class, with IRI /req/co, which has a corresponding Conformance Class, **Co**, with IRI /conf/co.

7.1. Property: geosrs:derivingConversion

The class geosrs:geosrs:derivingConversion is defined by the following:

7.2. Property: geosrs:method

The class geosrs:geosrs:method is defined by the following:

7.3. Property: geosrs:parameter

The class geosrs:geosrs:parameter is defined by the following:



8

COORDINATE SYSTEM MODULE

This clause establishes the **CS** Requirements class, with IRI /req/cs, which has a corresponding Conformance Class, **CS**, with IRI /conf/cs.

8.1. Class: geosrs:1DCoordinateSystem

Table 31 — geosrs:1DCoordinateSystem

URI	https://w3id.org/geosrs/cs/1DCoordinateSystem
Definition	Non-repeating sequence of coordinate system axes that spans a given coordinate space in one dimension
Super-classes	1DCoordinateSystem

8.2. Class: geosrs:3DCoordinateSystem

Table 32 — geosrs:3DCoordinateSystem

URI	https://w3id.org/geosrs/cs/3DCoordinateSystem
Definition	Non-repeating sequence of coordinate system axes that spans a given coordinate space in three dimensions
Super-classes	3DCoordinateSystem

8.3. Class: geosrs:AffineCoordinateSystem

Table 33 — geosrs:AffineCoordinateSystem

URI	https://w3id.org/geosrs/cs/AffineCoordinateSystem
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Definition	Coordinate system in Euclidean space with straight axes that are not necessarily mutually perpendicular
Super-classes	<u>AffineCoordinateSystem</u>

8.4. Class: geosrs:BarycentricCoordinateSystem

Table 34 — geosrs:BarycentricCoordinateSystem

URI	<u>https://w3id.org/geosrs/cs/BarycentricCoordinateSystem</u>
Definition	A coordinate system in which the location of a point is specified by reference to a simplex (a triangle for points in a plane, a tetrahedron for points in three-dimensional space, etc.)
Super-classes	<u>BarycentricCoordinateSystem</u>

8.5. Class: geosrs:CelestialCoordinateSystem

Table 35 — geosrs:CelestialCoordinateSystem

URI	<u>https://w3id.org/geosrs/cs/CelestialCoordinateSystem</u>
Definition	A coordinate system for specifying positions of celestial objects relative to physical reference points
Super-classes	<u>CelestialCoordinateSystem</u>

8.6. Class: geosrs:ConicalCoordinateSystem

Table 36 — geosrs:ConicalCoordinateSystem

URI	<u>https://w3id.org/geosrs/cs/ConicalCoordinateSystem</u>
-----	--

Definition	A conical coordinate system is a three-dimensional orthogonal coordinate system consisting of concentric spheres (described by their radius r) and by two families of perpendicular cones, aligned along the z - and x -axes, respectively
Super-classes	<u>ConicalCoordinateSystem</u>

8.7. Class: geosrs:CurvilinearCoordinateSystem

Table 37 — geosrs:CurvilinearCoordinateSystem

URI	<u>https://w3id.org/geosrs/cs/CurvilinearCoordinateSystem</u>
Definition	A coordinate system for the Euclidean space in which the coordinate lines may be curved
Super-classes	<u>CurvilinearCoordinateSystem</u>

8.8. Class: geosrs:CylindricalCoordinateSystem

Table 38 — geosrs:CylindricalCoordinateSystem

URI	<u>https://w3id.org/geosrs/cs/CylindricalCoordinateSystem</u>
Definition	Three-dimensional coordinate system in Euclidean space in which position is specified by two linear coordinates and one angular coordinate
Super-classes	<u>CylindricalCoordinateSystem</u>

8.9. Class: geosrs:EclipticCoordinateSystem

Table 39 — geosrs:EclipticCoordinateSystem

URI	https://w3id.org/geosrs/cs/EclipticCoordinateSystem
Definition	An ecliptic coordinate system is used for representing the apparent positions and orbits of solar system objects.
Super-classes	EclipticCoordinateSystem

8.10. Class: geosrs:EngineeringCoordinateSystem

Table 40 — geosrs:EngineeringCoordinateSystem

URI	https://w3id.org/geosrs/cs/EngineeringCoordinateSystem
Definition	Coordinate system used by an engineering coordinate reference system, one of an affine coordinate system, a Cartesian coordinate system, a cylindrical coordinate system, a linear coordinate sytem, an ordinal coordinate system, a polar coordinate system or a spherical coordinate system
Super-classes	EngineeringCoordinateSystem

8.11. Class: geosrs:EquatorialCoordinateSystem

Table 41 — geosrs:EquatorialCoordinateSystem

URI	https://w3id.org/geosrs/cs/EquatorialCoordinateSystem
Definition	A celestial coordinate system in which an object's position on the celestial sphere is described in terms of its north-south declination and east-west right ascension, measured relative to the celestial equator and vernal equinox, respectively.
Super-classes	EquatorialCoordinateSystem

8.12. Class: geosrs:GalacticCoordinateSystem

Table 42 — geosrs:GalacticCoordinateSystem

URI	https://w3id.org/geosrs/cs/GalacticCoordinateSystem
Definition	A coordinate system with the Sun as its center, the primary direction aligned with the approximate center of the Milky Way Galaxy, and the fundamental plane parallel to an approximation of the galactic plane but offset to its north.
Super-classes	CelestialCoordinateSystem 3DCoordinateSystem

8.13. Class: geosrs:GeodeticCoordinateSystem

Table 43 — geosrs:GeodeticCoordinateSystem

URI	https://w3id.org/geosrs/cs/GeodeticCoordinateSystem
Definition	Coordinate system used by a Geodetic CRS, one of a Cartesian coordinate system or a spherical coordinate system.
Super-classes	GeodeticCoordinateSystem

8.14. Class: geosrs:GeographicalCoordinateSystem

Table 44 — geosrs:GeographicalCoordinateSystem

URI	https://w3id.org/geosrs/cs/GeographicalCoordinateSystem
Definition	Spherical or geodetic coordinate system for measuring and communicating positions directly on Earth as latitude and longitude.
Super-classes	SphericalCoordinateSystem GeodeticCoordinateSystem

8.15. Class: geosrs:GridCoordinateSystem

Table 45 — geosrs:GridCoordinateSystem

URI	https://w3id.org/geosrs/cs/GridCoordinateSystem
Definition	A grid coordinate system identifies areas within a grid.
Super-classes	GridCoordinateSystem

8.16. Class: geosrs:HexagonalCoordinateSystem

Table 46 — geosrs:HexagonalCoordinateSystem

URI	https://w3id.org/geosrs/cs/HexagonalCoordinateSystem
Definition	A hexagonal coordinate system identifies areas within a hexagonal lattice.
Super-classes	HexagonalCoordinateSystem

8.17. Class: geosrs:HorizontalCoordinateSystem

Table 47 — geosrs:HorizontalCoordinateSystem

URI	https://w3id.org/geosrs/cs/HorizontalCoordinateSystem
Definition	A horizontal coordinate system is a celestial coordinate system that uses the observer's local horizon as the fundamental plane.
Super-classes	HorizontalCoordinateSystem

8.18. Class: geosrs:LocalCoordinateSystem

Table 48 — geosrs:LocalCoordinateSystem

URI	https://w3id.org/geosrs/cs/LocalCoordinateSystem
Definition	Coordinate system with a point of local reference.
Super-classes	LocalCoordinateSystem

8.19. Class: geosrs:ObliqueCoordinateSystem

Table 49 — geosrs:ObliqueCoordinateSystem

URI	https://w3id.org/geosrs/cs/ObliqueCoordinateSystem
Definition	A plane coordinate system whose axes are not perpendicular.
Super-classes	ObliqueCoordinateSystem

8.20. Class: geosrs:OrthogonalCoordinateSystem

Table 50 — geosrs:OrthogonalCoordinateSystem

URI	https://w3id.org/geosrs/cs/OrthogonalCoordinateSystem
Definition	A orthogonal coordinate system is a system of curvilinear coordinates in which each family of surfaces intersects the others at right angles.
Super-classes	OrthogonalCoordinateSystem

8.21. Class: geosrs:PerifocalCoordinateSystem

Table 51 — geosrs:PerifocalCoordinateSystem

URI	https://w3id.org/geosrs/cs/PerifocalCoordinateSystem
Definition	A frame of reference centered at the focus of the orbit, i.e. the celestial body about which the orbit is centered.
Super-classes	PerifocalCoordinateSystem

8.22. Class: geosrs:PlanarCoordinateSystem

Table 52 — geosrs:PlanarCoordinateSystem

URI	https://w3id.org/geosrs/cs/PlanarCoordinateSystem
Definition	A two-dimensional measurement system that locates features on a plane based on their distance from an origin (0,0) along two perpendicular axes.
Super-classes	PlanarCoordinateSystem

8.23. Class: geosrs:SkewCoordinateSystem

Table 53 — geosrs:SkewCoordinateSystem

URI	https://w3id.org/geosrs/cs/SkewCoordinateSystem
Definition	A skew coordinate system is a system of curvilinear coordinates in which each family of surfaces intersects the others at angles other than right angles.
Super-classes	SkewCoordinateSystem

8.24. Class: geosrs:DateTimeTemporalCoordinateSystem

Table 54 — geosrs:DateTimeTemporalCoordinateSystem

URI	https://w3id.org/geosrs/cs/DateTimeTemporalCoordinateSystem
Definition	One-dimensional coordinate system used to record time in dateTime representation as defined in ISO 8601.
Super-classes	DateTimeTemporalCoordinateSystem

8.25. Class: geosrs:TemporalCountCoordinateSystem

Table 55 — geosrs:TemporalCountCoordinateSystem

URI	https://w3id.org/geosrs/cs/TemporalCountCoordinateSystem
Definition	One-dimensional coordinate system used to record time as an integer count.
Super-classes	TemporalCountCoordinateSystem

8.26. Class: geosrs:TemporalCoordinateSystem

Table 56 — geosrs:TemporalCoordinateSystem

URI	https://w3id.org/geosrs/cs/TemporalCoordinateSystem
Definition	One-dimensional coordinate system where the axis is time.
Super-classes	TemporalCoordinateSystem

8.27. Class: geosrs:TemporalMeasureCoordinateSystem

Table 57 — geosrs:TemporalMeasureCoordinateSystem

URI	https://w3id.org/geosrs/cs/TemporalMeasureCoordinateSystem
Definition	One-dimensional coordinate system used to record a time as a real number.
Super-classes	TemporalMeasureCoordinateSystem

8.28. Class: geosrs:SuperGalacticCS

Table 58 — geosrs:SuperGalacticCS

URI	https://w3id.org/geosrs/cs/SuperGalacticCS
Definition	A reference frame for the supercluster of galaxies that contains the Milky Way galaxy, referenced to a local relatively flat collection of galaxy clusters used to define the supergalactic plane.
Super-classes	CelestialCoordinateSystem 3DCoordinateSystem

8.29. Property: geosrs:axisDirection

The class [geosrs:geosrs:axisDirection](#) is defined by the following:

The direction of an axis. Cf. ISO 19111:2007:2007-07, table 27, attribute coordinate system axis direction.

8.30. Property: geosrs:cylindricalCS

The class [geosrs:geosrs:cylindricalCS](#) is defined by the following:

Links a coordinate reference system to a cylindrical coordinate system

9

DATUM MODULE

This clause establishes the **Datum** Requirements class, with IRI /req/datum, which has a corresponding Conformance Class, **Datum**, with IRI /conf/datum.

9.1. Class: geosrs:DynamicGeodeticReferenceFrame

Table 59 — geosrs:DynamicGeodeticReferenceFrame

URI	https://w3id.org/geosrs/datum/DynamicGeodeticReferenceFrame
Definition	Geodetic reference frame in which some of the parameters describe time evolution of defining station coordinates Example: defining station coordinates having linear velocities to account for crustal motion.
Super-classes	DynamicGeodeticReferenceFrame

9.2. Class: geosrs:TriaxialEllipsoid

Table 60 — geosrs:TriaxialEllipsoid

URI	https://w3id.org/geosrs/datum/TriaxialEllipsoid
Definition	Surface of an analytic ellipsoid defined by three axes of different length. Also referred as scalene ellipsoid.

9.3. Class: geosrs:DynamicVerticalDatum

Table 61 — geosrs:DynamicVerticalDatum

URI	https://w3id.org/geosrs/datum/DynamicVerticalDatum
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Definition	Vertical reference frame in which some of the defining parameters have time dependencyExample: Defining station heights have velocity to account for post-glacial isostatic rebound motion. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	<u>DynamicVerticalDatum</u>

9.4. Class: geosrs:ParametricDatum

Table 62 — geosrs:ParametricDatum

URI	<u>https://w3id.org/geosrs/datum/ParametricDatum</u>
Definition	Textual description and/or a set of parameters identifying a particular reference surface used as the origin of a parametric coordinate system, including its position with respect to the Earth. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	<u>ParametricDatum</u>

9.5. Class: geosrs:DefiningParameter

Table 63 — geosrs:DefiningParameter

URI	<u>https://w3id.org/geosrs/datum/DefiningParameter</u>
Definition	Parameter value, an ordered sequence of values, or a reference to a file of parameter values that define a paramtric datum. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.

9.6. Class: geosrs:EngineeringDatum

Table 64 — geosrs:EngineeringDatum

URI	https://w3id.org/geosrs/datum/EngineeringDatum
Definition	Definition of the origin and orientation of an engineering coordinate reference systemNote: The origin can be fixed with respect to the Earth (such as a defined point at a construction site), or be a defined point on a moving vehicle (such as on a ship or satellite), or a defined point of an image. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	EngineeringDatum

9.7. Class: geosrs:TemporalDatum

Table 65 — geosrs:TemporalDatum

URI	https://w3id.org/geosrs/datum/TemporalDatum
Definition	Definition of the relationship of a temporal coordinate system to an objectNote: The object is normally time on the Earth. Cf. ISO 19111:2019 Geographic information — Referencing by coordinates.
Super-classes	TemporalDatum

9.8. Class: geosrs:DatumEnsemble

Table 66 — geosrs:DatumEnsemble

URI	https://w3id.org/geosrs/datum/DatumEnsemble
Definition	A collection of two or more datums (or if geodetic or vertical, a collection of two or more reference frames) that are realizations of one Conventional Reference System and which for all but the highest accuracy requirements may be considered to be insignificantly different from each other. Note: Within the datum ensemble every frame or datum is constrained to be a realization of the same reference system. Cf. ISO

9.9. Property: `geosrs:inverseFlattening`

The class `geosrs:geosrs:inverseFlattening` is defined by the following:

Indicates the inverse flattening value of an ellipsoid, expressed as a number or a ratio (percentage rate, parts per million, etc.). Cf. ISO 19111:2007:2007-07, table 37, attribute inverse flattening

9.10. Property: `geosrs:primeMeridian`

The class `geosrs:geosrs:primeMeridian` is defined by the following:

The prime meridian used by a geodetic datum. Cf. ISO 19111:2007:2007-07, table 34, association role `primeMeridian`.

10

SRS APPLICATION MODULE

This clause establishes the **SRSAPP** Requirements class, with IRI /req/srsapp, which has a corresponding Conformance Class, **SRSAPP**, with IRI /conf/srsapp.

11

PROJECTIONS MODULE

This clause establishes the **PROJ** Requirements class, with IRI /req/proj, which has a corresponding Conformance Class, **PROJ**, with IRI /conf/proj.

11.1. Class: geosrs:A4Projection

Table 67 — geosrs:A4Projection

URI	https://w3id.org/geosrs/projection/A4Projection
Super-classes	A4Projection

11.2. Class: geosrs:AdamsProjection

Table 68 — geosrs:AdamsProjection

URI	https://w3id.org/geosrs/projection/AdamsProjection
Super-classes	AdamsProjection

11.3. Class: geosrs:AdamsWorldInASquareIIProjection

Table 69 — geosrs:AdamsWorldInASquareIIProjection

URI	https://w3id.org/geosrs/projection/AdamsWorldInASquareIIProjection
Super-classes	AdamsWorldInASquareIIProjection

11.4. Class: geosrs:AdamsWorldInASquareProjection

Table 70 — geosrs:AdamsWorldInASquareProjection

URI	https://w3id.org/geosrs/projection/AdamsWorldInASquareProjection
Super-classes	AdamsWorldInASquareProjection

11.5. Class: geosrs:AiryProjection

Table 71 — geosrs:AiryProjection

URI	https://w3id.org/geosrs/projection/AiryProjection
Definition	An azimuthal minimum error projection for the region within the small or great circle defined by an angular distance, from the tangency point of the plane
Super-classes	AiryProjection

11.6. Class: geosrs:AitoffObliqueProjection

Table 72 — geosrs:AitoffObliqueProjection

URI	https://w3id.org/geosrs/projection/AitoffObliqueProjection
Super-classes	AitoffObliqueProjection

11.7. Class: geosrs:AitoffProjection

Table 73 — geosrs:AitoffProjection

URI	https://w3id.org/geosrs/projection/AitoffProjection
Definition	A modified azimuthal projection whose graticule takes the form of an ellipse
Super-classes	AitoffProjection

11.8. Class: geosrs:AlbersEqualAreaProjection

Table 74 — geosrs:AlbersEqualAreaProjection

URI	https://w3id.org/geosrs/projection/AlbersEqualAreaProjection
Super-classes	AlbersEqualAreaProjection

11.9. Class: geosrs:AmericanPolyconicProjection

Table 75 — geosrs:AmericanPolyconicProjection

URI	https://w3id.org/geosrs/projection/AmericanPolyconicProjection
Super-classes	AmericanPolyconicProjection

11.10. Class: geosrs:ApianGlobularIProjection

Table 76 — geosrs:ApianGlobularIProjection

URI	https://w3id.org/geosrs/projection/ApianGlobularIProjection
Super-classes	ApianGlobularIProjection

11.11. Class: geosrs:ApianIIProjection

Table 77 — geosrs:ApianIIProjection

URI	https://w3id.org/geosrs/projection/ApianIIProjection
Super-classes	ApianIIProjection

11.12. Class: geosrs:ArchaicProjection

Table 78 — geosrs:ArchaicProjection

URI	https://w3id.org/geosrs/projection/ArchaicProjection
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11.13. Class: geosrs:ArdenCloseProjection

Table 79 — geosrs:ArdenCloseProjection

URI	https://w3id.org/geosrs/projection/ArdenCloseProjection
Super-classes	ArdenCloseProjection

11.14. Class: geosrs:ArmadilloProjection

Table 80 — geosrs:ArmadilloProjection

URI	https://w3id.org/geosrs/projection/ArmadilloProjection
Super-classes	ArmadilloProjection

11.15. Class: geosrs:AtlantisProjection

Table 81 — geosrs:AtlantisProjection

URI	https://w3id.org/geosrs/projection/AtlantisProjection
Super-classes	AtlantisProjection

11.16. Class: geosrs:AugustEpicycloidalProjection

Table 82 — geosrs:AugustEpicycloidalProjection

URI	https://w3id.org/geosrs/projection/AugustEpicycloidalProjection
Definition	A projection in which every angle between two curves that cross each other on a celestial body is preserved in the image of the projection
Super-classes	AugustEpicycloidalProjection

11.17. Class: geosrs:AuthaGraphProjection

Table 83 — geosrs:AuthaGraphProjection

URI	https://w3id.org/geosrs/projection/AuthaGraphProjection
Super-classes	AuthaGraphProjection

11.18. Class: geosrs:AzimuthalEqualAreaProjection

Table 84 — geosrs:AzimuthalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/AzimuthalEqualAreaProjection
Super-classes	AzimuthalEqualAreaProjection

11.19. Class: geosrs:AzimuthalEquidistantProjection

Table 85 — geosrs:AzimuthalEquidistantProjection

URI	https://w3id.org/geosrs/projection/AzimuthalEquidistantProjection
Super-classes	AzimuthalEquidistantProjection

11.20. Class: geosrs:AzimuthalProjection

Table 86 — geosrs:AzimuthalProjection

URI	https://w3id.org/geosrs/projection/AzimuthalProjection
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11.21. Class: geosrs:BSAMCylindricalProjection

Table 87 — geosrs:BSAMCylindricalProjection

URI	https://w3id.org/geosrs/projection/BSAMCylindricalProjection
Super-classes	BSAMCylindricalProjection

11.22. Class: geosrs:BaconGlobularProjection

Table 88 — geosrs:BaconGlobularProjection

URI	https://w3id.org/geosrs/projection/BaconGlobularProjection
Super-classes	BaconGlobularProjection

11.23. Class: geosrs:BakerDinomicProjection

Table 89 — geosrs:BakerDinomicProjection

URI	https://w3id.org/geosrs/projection/BakerDinomicProjection
Super-classes	BakerDinomicProjection

11.24. Class: geosrs:BalthasartProjection

Table 90 — geosrs:BalthasartProjection

URI	https://w3id.org/geosrs/projection/BalthasartProjection
Definition	A cylindrical equal-area projection that uses a standard parallel of $\phi_s=50$ degrees
Super-classes	BalthasartProjection

11.25. Class: geosrs:BaranyIIIProjection

Table 91 — geosrs:BaranyillProjection

URI	https://w3id.org/geosrs/projection/BaranyillProjection
Super-classes	BaranyillProjection

11.26. Class: geosrs:BaranyillProjection

Table 92 — geosrs:BaranyillProjection

URI	https://w3id.org/geosrs/projection/BaranyillProjection
Super-classes	BaranyillProjection

11.27. Class: geosrs:BaranyilProjection

Table 93 — geosrs:BaranyilProjection

URI	https://w3id.org/geosrs/projection/BaranyilProjection
Super-classes	BaranyilProjection

11.28. Class: geosrs:BaranyilVProjection

Table 94 — geosrs:BaranyilVProjection

URI	https://w3id.org/geosrs/projection/BaranyilVProjection
Super-classes	BaranyilVProjection

11.29. Class: geosrs:BartholomewProjection

Table 95 — geosrs:BartholomewProjection

URI	https://w3id.org/geosrs/projection/BartholomewProjection
Super-classes	BartholomewProjection

11.30. Class: geosrs:BehrmannProjection

Table 96 — geosrs:BehrmannProjection

URI	https://w3id.org/geosrs/projection/BehrmannProjection
Definition	A cylindrical equal-area map projection with standard parallels set at 30° north and south
Super-classes	BehrmannProjection

11.31. Class: geosrs:BerghausStarProjection

Table 97 — geosrs:BerghausStarProjection

URI	https://w3id.org/geosrs/projection/BerghausStarProjection
Super-classes	BerghausStarProjection

11.32. Class: geosrs:BertinProjection

Table 98 — geosrs:BertinProjection

URI	https://w3id.org/geosrs/projection/BertinProjection
Super-classes	BertinProjection

11.33. Class: geosrs:BipolarObliqueConicConformalProjection

Table 99 — geosrs:BipolarObliqueConicConformalProjection

URI	https://w3id.org/geosrs/projection/BipolarObliqueConicConformalProjection
Super-classes	BipolarObliqueConicConformalProjection

11.34. Class: geosrs:BoggsEumorphicProjection

Table 100 — geosrs:BoggsEumorphicProjection

URI	https://w3id.org/geosrs/projection/BoggsEumorphicProjection
Super-classes	BoggsEumorphicProjection

11.35. Class: geosrs:BonneProjection

Table 101 — geosrs:BonneProjection

URI	https://w3id.org/geosrs/projection/BonneProjection
Super-classes	BonneProjection

11.36. Class: geosrs:BottomleyProjection

Table 102 — geosrs:BottomleyProjection

URI	https://w3id.org/geosrs/projection/BottomleyProjection
Super-classes	BottomleyProjection

11.37. Class: geosrs:BraunPerspectiveProjection

Table 103 — geosrs:BraunPerspectiveProjection

URI	https://w3id.org/geosrs/projection/BraunPerspectiveProjection
Super-classes	BraunPerspectiveProjection

11.38. Class: geosrs:BraunStereographicProjection

Table 104 — geosrs:BraunStereographicProjection

URI	https://w3id.org/geosrs/projection/BraunStereographicProjection
Super-classes	BraunStereographicProjection

11.39. Class: geosrs:BreusingGeometricProjection

Table 105 — geosrs:BreusingGeometricProjection

URI	https://w3id.org/geosrs/projection/BreusingGeometricProjection
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Super-classes

[BreusingGeometricProjection](#)

11.40. Class: geosrs:BreusingHarmonicProjection

Table 106 — geosrs:BreusingHarmonicProjection

URI	<u>https://w3id.org/geosrs/projection/BreusingHarmonicProjection</u>
Super-classes	<u>BreusingHarmonicProjection</u>

11.41. Class: geosrs:BriesemeisterProjection

Table 107 — geosrs:BriesemeisterProjection

URI	<u>https://w3id.org/geosrs/projection/BriesemeisterProjection</u>
Super-classes	<u>BriesemeisterProjection</u>

11.42. Class: geosrs:BromleyProjection

Table 108 — geosrs:BromleyProjection

URI	<u>https://w3id.org/geosrs/projection/BromleyProjection</u>
Super-classes	<u>BromleyProjection</u>

11.43. Class: geosrs:CabotProjection

Table 109 — geosrs:CabotProjection

URI	https://w3id.org/geosrs/projection/CabotProjection
Super-classes	CabotProjection

11.44. Class: geosrs:CahillKeyesProjection

Table 110 — geosrs:CahillKeyesProjection

URI	https://w3id.org/geosrs/projection/CahillKeyesProjection
Super-classes	CahillKeyesProjection

11.45. Class: geosrs:CassiniProjection

Table 111 — geosrs:CassiniProjection

URI	https://w3id.org/geosrs/projection/CassiniProjection
Definition	A map projection first described in an approximate form by César-François Cassini de Thury in 1745
Super-classes	CassiniProjection

11.46. Class: geosrs:CentralConicProjection

Table 112 — geosrs:CentralConicProjection

URI	https://w3id.org/geosrs/projection/CentralConicProjection
Super-classes	CentralConicProjection

11.47. Class: geosrs:CentralCylindricalProjection

Table 113 — geosrs:CentralCylindricalProjection

URI	https://w3id.org/geosrs/projection/CentralCylindricalProjection
Super-classes	CentralCylindricalProjection

11.48. Class: geosrs:ChamberlinTrimetricProjection

Table 114 — geosrs:ChamberlinTrimetricProjection

URI	https://w3id.org/geosrs/projection/ChamberlinTrimetricProjection
Super-classes	ChamberlinTrimetricProjection

11.49. Class: geosrs:CiriclProjection

Table 115 — geosrs:CiriclProjection

URI	https://w3id.org/geosrs/projection/CiriclProjection
Super-classes	CiriclProjection

11.50. Class: geosrs:CollignonButterflyProjection

Table 116 — geosrs:CollignonButterflyProjection

URI	https://w3id.org/geosrs/projection/CollignonButterflyProjection
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11.51. Class: geosrs:CollignonProjection

Table 117 — geosrs:CollignonProjection

URI	https://w3id.org/geosrs/projection/CollignonProjection
Definition	An equal-area pseudocylindrical projection that maps the sphere onto a triangle or diamond
Super-classes	CollignonProjection

11.52. Class: geosrs:ColombiaUrbanProjection

Table 118 — geosrs:ColombiaUrbanProjection

URI	https://w3id.org/geosrs/projection/ColombiaUrbanProjection
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11.53. Class: geosrs:CompactMillerProjection

Table 119 — geosrs:CompactMillerProjection

URI	https://w3id.org/geosrs/projection/CompactMillerProjection
Super-classes	CompactMillerProjection

11.54. Class: geosrs:CompromiseProjection

Table 120 — geosrs:CompromiseProjection

URI	https://w3id.org/geosrs/projection/CompromiseProjection
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11.55. Class: geosrs:ConformalProjection

Table 121 — geosrs:ConformalProjection

URI	https://w3id.org/geosrs/projection/ConformalProjection
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11.56. Class: geosrs:ConicalProjection

Table 122 — geosrs:ConicalProjection

URI	https://w3id.org/geosrs/projection/ConicalProjection
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11.57. Class: geosrs:CordiformProjection

Table 123 — geosrs:CordiformProjection

URI	https://w3id.org/geosrs/projection/CordiformProjection
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11.58. Class: geosrs:CoxConformalProjection

Table 124 — geosrs:CoxConformalProjection

URI	https://w3id.org/geosrs/projection/CoxConformalProjection
Super-classes	CoxConformalProjection

11.59. Class: geosrs:CraigRetroazimuthalProjection

Table 125 — geosrs:CraigRetroazimuthalProjection

URI	https://w3id.org/geosrs/projection/CraigRetroazimuthalProjection
Super-classes	CraigRetroazimuthalProjection

11.60. Class: geosrs:CrasterParabolicProjection

Table 126 — geosrs:CrasterParabolicProjection

URI	https://w3id.org/geosrs/projection/CrasterParabolicProjection
Super-classes	CrasterParabolicProjection

11.61. Class: geosrs:CupolaProjection

Table 127 — geosrs:CupolaProjection

URI	https://w3id.org/geosrs/projection/CupolaProjection
Super-classes	CupolaProjection

11.62. Class: geosrs:CylindricalEqualArea

Table 128 — geosrs:CylindricalEqualArea

URI	https://w3id.org/geosrs/projection/CylindricalEqualArea
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11.63. Class: geosrs:CylindricalProjection

Table 129 — geosrs:CylindricalProjection

URI	https://w3id.org/geosrs/projection/CylindricalProjection
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11.64. Class: geosrs:CylindricalStereographicProjection

Table 130 — geosrs:CylindricalStereographicProjection

URI	https://w3id.org/geosrs/projection/CylindricalStereographicProjection
Super-classes	CylindricalStereographicProjection

11.65. Class: geosrs:DeakinMinimumErrorProjection

Table 131 — geosrs:DeakinMinimumErrorProjection

URI	https://w3id.org/geosrs/projection/DeakinMinimumErrorProjection
Super-classes	DeakinMinimumErrorProjection

11.66. Class: geosrs:DedistortProjection

Table 132 — geosrs:DedistortProjection

URI	https://w3id.org/geosrs/projection/DedistortProjection
Super-classes	DedistortProjection

11.67. Class: geosrs:DenoyerSemiEllipticalProjection

Table 133 — geosrs:DenoyerSemiEllipticalProjection

URI	https://w3id.org/geosrs/projection/DenoyerSemiEllipticalProjection
Super-classes	DenoyerSemiEllipticalProjection

11.68. Class: geosrs:DietrichKitadaProjection

Table 134 — geosrs:DietrichKitadaProjection

URI	https://w3id.org/geosrs/projection/DietrichKitadaProjection
Super-classes	DietrichKitadaProjection

11.69. Class: geosrs:DodecahedralProjection

Table 135 — geosrs:DodecahedralProjection

URI	https://w3id.org/geosrs/projection/DodecahedralProjection
Super-classes	DodecahedralProjection

11.70. Class: geosrs:DymaxionProjection

Table 136 — geosrs:DymaxionProjection

URI	https://w3id.org/geosrs/projection/DymaxionProjection
Super-classes	DymaxionProjection

11.71. Class: geosrs:Eckert1Projection

Table 137 — geosrs:Eckert1Projection

URI	https://w3id.org/geosrs/projection/Eckert1Projection
Super-classes	Eckert1Projection

11.72. Class: geosrs:Eckert2Projection

Table 138 — geosrs:Eckert2Projection

URI	https://w3id.org/geosrs/projection/Eckert2Projection
Super-classes	Eckert2Projection

11.73. Class: geosrs:Eckert3Projection

Table 139 — geosrs:Eckert3Projection

URI	https://w3id.org/geosrs/projection/Eckert3Projection
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Super-classes	Eckert3Projection
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11.74. Class: geosrs:Eckert4Projection

Table 140 — geosrs:Eckert4Projection

URI	https://w3id.org/geosrs/projection/Eckert4Projection
Super-classes	Eckert4Projection

11.75. Class: geosrs:Eckert5Projection

Table 141 — geosrs:Eckert5Projection

URI	https://w3id.org/geosrs/projection/Eckert5Projection
Super-classes	Eckert5Projection

11.76. Class: geosrs:Eckert6Projection

Table 142 — geosrs:Eckert6Projection

URI	https://w3id.org/geosrs/projection/Eckert6Projection
Super-classes	Eckert6Projection

11.77. Class: geosrs:EisenlohrProjection

Table 143 — geosrs:EisenlohrProjection

URI	https://w3id.org/geosrs/projection/EisenlohrProjection
Super-classes	EisenlohrProjection

11.78. Class: geosrs:EqualAreaProjection

Table 144 — geosrs:EqualAreaProjection

URI	https://w3id.org/geosrs/projection/EqualAreaProjection
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11.79. Class: geosrs:EqualEarthProjection

Table 145 — geosrs:EqualEarthProjection

URI	https://w3id.org/geosrs/projection/EqualEarthProjection
Super-classes	EqualEarthProjection

11.80. Class: geosrs:EquallySpacedParallelsProjection

Table 146 — geosrs:EquallySpacedParallelsProjection

URI	https://w3id.org/geosrs/projection/EquallySpacedParallelsProjection
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11.81. Class: geosrs:EquidistantConicProjection

Table 147 — geosrs:EquidistantConicProjection

URI	https://w3id.org/geosrs/projection/EquidistantConicProjection
Super-classes	EquidistantConicProjection

11.82. Class: geosrs:EquidistantCylindricalProjection

Table 148 — geosrs:EquidistantCylindricalProjection

URI	https://w3id.org/geosrs/projection/EquidistantCylindricalProjection
Super-classes	EquidistantCylindricalProjection

11.83. Class: geosrs:EquidistantProjection

Table 149 — geosrs:EquidistantProjection

URI	https://w3id.org/geosrs/projection/EquidistantProjection
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11.84. Class: geosrs:EquirectangularProjection

Table 150 — geosrs:EquirectangularProjection

URI	https://w3id.org/geosrs/projection/EquirectangularProjection
Super-classes	EquirectangularProjection

11.85. Class: geosrs:FaheyProjection

Table 151 — geosrs:FaheyProjection

URI	https://w3id.org/geosrs/projection/FaheyProjection
Super-classes	FaheyProjection

11.86. Class: geosrs:FairgrieveProjection

Table 152 — geosrs:FairgrieveProjection

URI	https://w3id.org/geosrs/projection/FairgrieveProjection
Super-classes	FairgrieveProjection

11.87. Class: geosrs:FoucautProjection

Table 153 — geosrs:FoucautProjection

URI	https://w3id.org/geosrs/projection/FoucautProjection
Super-classes	FoucautProjection

11.88. Class: geosrs:FoucautSinusoidalProjection

Table 154 — geosrs:FoucautSinusoidalProjection

URI	https://w3id.org/geosrs/projection/FoucautSinusoidalProjection
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11.89. Class: geosrs:FournierGlobularIProjection

Table 155 — geosrs:FournierGlobularIProjection

URI	https://w3id.org/geosrs/projection/FournierGlobularIProjection
Super-classes	FournierGlobularIProjection

11.90. Class: geosrs:FournierIIProjection

Table 156 — geosrs:FournierIIProjection

URI	https://w3id.org/geosrs/projection/FournierIIProjection
Super-classes	FournierIIProjection

11.91. Class: geosrs:FranculaIIIProjection

Table 157 — geosrs:FranculaIIIProjection

URI	https://w3id.org/geosrs/projection/FranculaIIIProjection
Super-classes	FranculaIIIProjection

11.92. Class: geosrs:FranculaIVProjection

Table 158 — geosrs:FraculaIVProjection

URI	https://w3id.org/geosrs/projection/FraculaIVProjection
Super-classes	FraculaIVProjection

11.93. Class: geosrs:FraculaXProjection

Table 159 — geosrs:FraculaXProjection

URI	https://w3id.org/geosrs/projection/FraculaXProjection
Super-classes	FraculaXProjection

11.94. Class: geosrs:FraculaVIIIProjection

Table 160 — geosrs:FraculaVIIIProjection

URI	https://w3id.org/geosrs/projection/FraculaVIIIProjection
Super-classes	FraculaVIIIProjection

11.95. Class: geosrs:FraculaVProjection

Table 161 — geosrs:FraculaVProjection

URI	https://w3id.org/geosrs/projection/FraculaVProjection
Super-classes	FraculaVProjection

11.96. Class: geosrs:FraculaXIIIProjection

Table 162 — geosrs:FraculaXIIIProjection

URI	https://w3id.org/geosrs/projection/FraculaXIIIProjection
Super-classes	FraculaXIIIProjection

11.97. Class: geosrs:FraculaXIIProjection

Table 163 — geosrs:FraculaXIIProjection

URI	https://w3id.org/geosrs/projection/FraculaXIIProjection
Super-classes	FraculaXIIProjection

11.98. Class: geosrs:FraculaXIVProjection

Table 164 — geosrs:FraculaXIVProjection

URI	https://w3id.org/geosrs/projection/FraculaXIVProjection
Super-classes	FraculaXIVProjection

11.99. Class: geosrs:GS50Projection

Table 165 — geosrs:GS50Projection

URI	https://w3id.org/geosrs/projection/GS50Projection
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11.100. Class: geosrs:GallSographicProjection

Table 166 — geosrs:GallSographicProjection

URI	https://w3id.org/geosrs/projection/GallSographicProjection
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11.101. Class: geosrs:GallPetersProjection

Table 167 — geosrs:GallPetersProjection

URI	https://w3id.org/geosrs/projection/GallPetersProjection
Super-classes	GallPetersProjection

11.102. Class: geosrs:GallStereographicProjection

Table 168 — geosrs:GallStereographicProjection

URI	https://w3id.org/geosrs/projection/GallStereographicProjection
Super-classes	GallStereographicProjection

11.103. Class: geosrs:GaussKruegerProjection

Table 169 — geosrs:GaussKruegerProjection

URI	https://w3id.org/geosrs/projection/GaussKruegerProjection
Super-classes	GaussKruegerProjection

11.104. Class: geosrs:GeneralVerticalPerspectiveProjection

Table 170 — geosrs:GeneralVerticalPerspectiveProjection

URI	https://w3id.org/geosrs/projection/GeneralVerticalPerspectiveProjection
Super-classes	GeneralVerticalPerspectiveProjection

11.105. Class: geosrs:GilbertTwoWorldPerspectiveProjection

Table 171 — geosrs:GilbertTwoWorldPerspectiveProjection

URI	https://w3id.org/geosrs/projection/GilbertTwoWorldPerspectiveProjection
Super-classes	GilbertTwoWorldPerspectiveProjection

11.106. Class: geosrs:GingeryProjection

Table 172 — geosrs:GingeryProjection

URI	https://w3id.org/geosrs/projection/GingeryProjection
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11.107. Class: geosrs:GinzburgIIProjection

Table 173 — geosrs:GinzburgIIProjection

URI	https://w3id.org/geosrs/projection/GinzburgIIProjection
Super-classes	GinzburgIIProjection

11.108. Class: geosrs:GinzburgIProjection

Table 174 — geosrs:GinzburgIProjection

URI	https://w3id.org/geosrs/projection/GinzburgIProjection
Super-classes	GinzburgIProjection

11.109. Class: geosrs:GinzburgIVProjection

Table 175 — geosrs:GinzburgIVProjection

URI	https://w3id.org/geosrs/projection/GinzburgIVProjection
Super-classes	GinzburgIVProjection

11.110. Class: geosrs:GinzburgIXProjection

Table 176 — geosrs:GinzburgIXProjection

URI	https://w3id.org/geosrs/projection/GinzburgIXProjection
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Super-classes	GinzburgIXProjection
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11.111. Class: geosrs:GinzburgVIIIProjection

Table 177 — geosrs:GinzburgVIIIProjection

URI	https://w3id.org/geosrs/projection/GinzburgVIIIProjection
Super-classes	GinzburgVIIIProjection

11.112. Class: geosrs:GinzburgVIProjection

Table 178 — geosrs:GinzburgVIProjection

URI	https://w3id.org/geosrs/projection/GinzburgVIProjection
Super-classes	GinzburgVIProjection

11.113. Class: geosrs:GinzburgVProjection

Table 179 — geosrs:GinzburgVProjection

URI	https://w3id.org/geosrs/projection/GinzburgVProjection
Super-classes	GinzburgVProjection

11.114. Class: geosrs:GlobularProjection

Table 180 — geosrs:GlobularProjection

URI	https://w3id.org/geosrs/projection/GlobularProjection
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11.115. Class: geosrs:GnomonicButterflyProjection

Table 181 — geosrs:GnomonicButterflyProjection

URI	https://w3id.org/geosrs/projection/GnomonicButterflyProjection
Super-classes	GnomonicButterflyProjection

11.116. Class: geosrs:GnomonicCubedSphereProjection

Table 182 — geosrs:GnomonicCubedSphereProjection

URI	https://w3id.org/geosrs/projection/GnomonicCubedSphereProjection
Super-classes	GnomonicCubedSphereProjection

11.117. Class: geosrs:GnomonicIcosahedronProjection

Table 183 — geosrs:GnomonicIcosahedronProjection

URI	https://w3id.org/geosrs/projection/GnomonicIcosahedronProjection
Super-classes	GnomonicIcosahedronProjection

11.118. Class: geosrs:GnomonicProjection

Table 184 — geosrs:GnomonicProjection

URI	https://w3id.org/geosrs/projection/GnomonicProjection
Super-classes	GnomonicProjection

11.119. Class: geosrs:GoodeHomolosineProjection

Table 185 — geosrs:GoodeHomolosineProjection

URI	https://w3id.org/geosrs/projection/GoodeHomolosineProjection
Super-classes	GoodeHomolosineProjection

11.120. Class: geosrs:GottWagnerProjection

Table 186 — geosrs:GottWagnerProjection

URI	https://w3id.org/geosrs/projection/GottWagnerProjection
Super-classes	GottWagnerProjection

11.121. Class: geosrs:GringortenProjection

Table 187 — geosrs:GringortenProjection

URI	https://w3id.org/geosrs/projection/GringortenProjection
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11.122. Class: geosrs:GringortenQuincuncialProjection

Table 188 — geosrs:GringortenQuincuncialProjection

URI	https://w3id.org/geosrs/projection/GringortenQuincuncialProjection
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11.123. Class: geosrs:GuyouProjection

Table 189 — geosrs:GuyouProjection

URI	https://w3id.org/geosrs/projection/GuyouProjection
Super-classes	GuyouProjection

11.124. Class: geosrs:HEALPixProjection

Table 190 — geosrs:HEALPixProjection

URI	https://w3id.org/geosrs/projection/HEALPixProjection
Super-classes	HEALPixProjection

11.125. Class: geosrs:HammerProjection

Table 191 — geosrs:HammerProjection

URI	https://w3id.org/geosrs/projection/HammerProjection
Super-classes	HammerProjection

11.126. Class: geosrs:HammerRetroazimuthalProjection

Table 192 — geosrs:HammerRetroazimuthalProjection

URI	https://w3id.org/geosrs/projection/HammerRetroazimuthalProjection
Super-classes	HammerRetroazimuthalProjection

11.127. Class: geosrs:HamusoidalProjection

Table 193 — geosrs:HamusoidalProjection

URI	https://w3id.org/geosrs/projection/HamusoidalProjection
Super-classes	HamusoidalProjection

11.128. Class: geosrs:HatanoAsymmetricalEqualAreaProjection

Table 194 — geosrs:HatanoAsymmetricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/HatanoAsymmetricalEqualAreaProjection
Super-classes	HatanoAsymmetricalEqualAreaProjection

11.129. Class: geosrs:HerschelConformalConicProjection

Table 195 — geosrs:HerschelConformalConicProjection

URI	https://w3id.org/geosrs/projection/HerschelConformalConicProjection
Super-classes	HerschelConformalConicProjection

11.130. Class: geosrs:HillEucyclicProjection

Table 196 — geosrs:HillEucyclicProjection

URI	https://w3id.org/geosrs/projection/HillEucyclicProjection
Super-classes	HillEucyclicProjection

11.131. Class: geosrs:HoboDyerProjection

Table 197 — geosrs:HoboDyerProjection

URI	https://w3id.org/geosrs/projection/HoboDyerProjection
Super-classes	HoboDyerProjection

11.132. Class: geosrs:HufnagelIIIProjection

Table 198 — geosrs:HufnagelIIIProjection

URI	https://w3id.org/geosrs/projection/HufnagelIIIProjection
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11.133. Class: geosrs:HufnagellProjection

Table 199 — geosrs:HufnagellProjection

URI	https://w3id.org/geosrs/projection/HufnagellProjection
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11.134. Class: geosrs:HufnagellProjection

Table 200 — geosrs:HufnagellProjection

URI	https://w3id.org/geosrs/projection/HufnagellProjection
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11.135. Class: geosrs:HufnagellVProjection

Table 201 — geosrs:HufnagellVProjection

URI	https://w3id.org/geosrs/projection/HufnagellVProjection
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11.136. Class: geosrs:HufnagellXProjection

Table 202 — geosrs:HufnagellXProjection

URI	https://w3id.org/geosrs/projection/HufnagellXProjection
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11.137. Class: geosrs:HufnagelProjection

Table 203 — geosrs:HufnagelProjection

URI	https://w3id.org/geosrs/projection/HufnagelProjection
Super-classes	HufnagelProjection

11.138. Class: geosrs:HufnagelVIIIProjection

Table 204 — geosrs:HufnagelVIIIProjection

URI	https://w3id.org/geosrs/projection/HufnagelVIIIProjection
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11.139. Class: geosrs:HufnagelVIIProjection

Table 205 — geosrs:HufnagelVIIProjection

URI	https://w3id.org/geosrs/projection/HufnagelVIIProjection
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11.140. Class: geosrs:HufnagelVIProjection

Table 206 — geosrs:HufnagelVIProjection

URI	https://w3id.org/geosrs/projection/HufnagelVIProjection
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11.141. Class: geosrs:HufnagelVProjection

Table 207 — geosrs:HufnagelVProjection

URI	https://w3id.org/geosrs/projection/HufnagelVProjection
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11.142. Class: geosrs:HufnagelXIIProjection

Table 208 — geosrs:HufnagelXIIProjection

URI	https://w3id.org/geosrs/projection/HufnagelXIIProjection
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11.143. Class: geosrs:HufnagelXIProjection

Table 209 — geosrs:HufnagelXIProjection

URI	https://w3id.org/geosrs/projection/HufnagelXIProjection
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11.144. Class: geosrs:HufnagelXProjection

Table 210 — geosrs:HufnagelXProjection

URI	https://w3id.org/geosrs/projection/HufnagelXProjection
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11.145. Class: geosrs:IcosahedralProjection

Table 211 — geosrs:IcosahedralProjection

URI	https://w3id.org/geosrs/projection/IcosahedralProjection
Super-classes	IcosahedralProjection

11.146. Class: geosrs:InterruptedGoodeHomolosineOceanicViewProjection

Table 212 — geosrs:InterruptedGoodeHomolosineOceanicViewProjection

URI	https://w3id.org/geosrs/projection/ InterruptedGoodeHomolosineOceanicViewProjection
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11.147. Class: geosrs:InterruptedGoodeHomolosineProjection

Table 213 — geosrs:InterruptedGoodeHomolosineProjection

URI	https://w3id.org/geosrs/projection/ InterruptedGoodeHomolosineProjection
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11.148. Class: geosrs:InterruptedQuarticAuthalicProjection

Table 214 — geosrs:InterruptedQuarticAuthalicProjection

URI	https://w3id.org/geosrs/projection/ InterruptedQuarticAuthalicProjection
Super-classes	InterruptedQuarticAuthalicProjection

11.149. Class: geosrs:JamesAzimuthalProjection

Table 215 — geosrs:JamesAzimuthalProjection

URI	https://w3id.org/geosrs/projection/JamesAzimuthalProjection
Super-classes	JamesAzimuthalProjection

11.150. Class: geosrs:KamenetskiyIProjection

Table 216 — geosrs:KamenetskiyIProjection

URI	https://w3id.org/geosrs/projection/KamenetskiyIProjection
Super-classes	KamenetskiyIProjection

11.151. Class: geosrs:KarchenkoShabanovaProjection

Table 217 — geosrs:KarchenkoShabanovaProjection

URI	https://w3id.org/geosrs/projection/KarchenkoShabanovaProjection
Super-classes	KarchenkoShabanovaProjection

11.152. Class: geosrs:Kavrayskiy7Projection

Table 218 — geosrs:Kavrayskiy7Projection

URI	https://w3id.org/geosrs/projection/Kavrayskiy7Projection
Super-classes	Kavrayskiy7Projection

11.153. Class: geosrs:KissProjection

Table 219 — geosrs:KissProjection

URI	https://w3id.org/geosrs/projection/KissProjection
Super-classes	KissProjection

11.154. Class: geosrs:Krovak

Table 220 — geosrs:Krovak

URI	https://w3id.org/geosrs/projection/Krovak
Super-classes	Krovak

11.155. Class: geosrs:LaHireProjection

Table 221 — geosrs:LaHireProjection

URI	https://w3id.org/geosrs/projection/LaHireProjection
Super-classes	LaHireProjection

11.156. Class: geosrs:LabordeProjection

Table 222 — geosrs:LabordeProjection

URI	https://w3id.org/geosrs/projection/LabordeProjection
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Super-classes	<u>LabordeProjection</u>
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11.157. Class: geosrs:LagrangeProjection

Table 223 — geosrs:LagrangeProjection

URI	<u>https://w3id.org/geosrs/projection/LagrangeProjection</u>
Super-classes	<u>LagrangeProjection</u>

11.158. Class: geosrs:LambertAzimuthalEqualArea

Table 224 — geosrs:LambertAzimuthalEqualArea

URI	<u>https://w3id.org/geosrs/projection/LambertAzimuthalEqualArea</u>
Super-classes	<u>LambertAzimuthalEqualArea</u>

11.159. Class: geosrs:LambertConformalConicProjection

Table 225 — geosrs:LambertConformalConicProjection

URI	<u>https://w3id.org/geosrs/projection/LambertConformalConicProjection</u>
Super-classes	<u>LambertConformalConicProjection</u>

11.160. Class: geosrs:LambertCylindricalEqualAreaProjection

Table 226 — geosrs:LambertCylindricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/LambertCylindricalEqualAreaProjection
Super-classes	LambertCylindricalEqualAreaProjection

11.161. Class: geosrs:LarriveeProjection

Table 227 — geosrs:LarriveeProjection

URI	https://w3id.org/geosrs/projection/LarriveeProjection
Super-classes	LarriveeProjection

11.162. Class: geosrs:LaskowskiProjection

Table 228 — geosrs:LaskowskiProjection

URI	https://w3id.org/geosrs/projection/LaskowskiProjection
Super-classes	LaskowskiProjection

11.163. Class: geosrs:LatLonProjection

Table 229 — geosrs:LatLonProjection

URI	https://w3id.org/geosrs/projection/LatLonProjection
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11.164. Class: geosrs:LeeProjection

Table 230 — geosrs:LeeProjection

URI	https://w3id.org/geosrs/projection/LeeProjection
Super-classes	LeeProjection

11.165. Class: geosrs:LenticularProjection

Table 231 — geosrs:LenticularProjection

URI	https://w3id.org/geosrs/projection/LenticularProjection
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11.166. Class: geosrs:LittrowProjection

Table 232 — geosrs:LittrowProjection

URI	https://w3id.org/geosrs/projection/LittrowProjection
Super-classes	LittrowProjection

11.167. Class: geosrs:LonLatProjection

Table 233 — geosrs:LonLatProjection

URI	https://w3id.org/geosrs/projection/LonLatProjection
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11.168. Class: geosrs:LorgnaProjection

Table 234 — geosrs:LorgnaProjection

URI	https://w3id.org/geosrs/projection/LorgnaProjection
Super-classes	LorgnaProjection

11.169. Class: geosrs:LowryProjection

Table 235 — geosrs:LowryProjection

URI	https://w3id.org/geosrs/projection/LowryProjection
Super-classes	LowryProjection

11.170. Class: geosrs:LoximuthalProjection

Table 236 — geosrs:LoximuthalProjection

URI	https://w3id.org/geosrs/projection/LoximuthalProjection
Super-classes	LoximuthalProjection

11.171. Class: geosrs:MaurerNo73Projection

Table 237 — geosrs:MaurerNo73Projection

URI	https://w3id.org/geosrs/projection/MaurerNo73Projection
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11.172. Class: geosrs:MayrProjection

Table 238 — geosrs:MayrProjection

URI	https://w3id.org/geosrs/projection/MayrProjection
Super-classes	MayrProjection

11.173. Class: geosrs:McBrydeThomasFlatPolarParabolicProjection

Table 239 — geosrs:McBrydeThomasFlatPolarParabolicProjection

URI	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarParabolicProjection
Super-classes	McBrydeThomasFlatPolarParabolicProjection

11.174. Class: geosrs:McBrydeThomasFlatPolarQuarticProjection

Table 240 — geosrs:McBrydeThomasFlatPolarQuarticProjection

URI	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarQuarticProjection
Super-classes	McBrydeThomasFlatPolarQuarticProjection

11.175. Class: geosrs:McBrydeThomasFlatPolarSinusoidalProjection

Table 241 — geosrs:McBrydeThomasFlatPolarSinusoidalProjection

URI	https://w3id.org/geosrs/projection/McBrydeThomasFlatPolarSinusoidalProjection
Super-classes	McBrydeThomasFlatPolarSinusoidalProjection

11.176. Class: geosrs:McBrydeThomasIIProjection

Table 242 — geosrs:McBrydeThomasIIProjection

URI	https://w3id.org/geosrs/projection/McBrydeThomasIIProjection
Super-classes	McBrydeThomasIIProjection

11.177. Class: geosrs:McBrydeThomasIProjection

Table 243 — geosrs:McBrydeThomasIProjection

URI	https://w3id.org/geosrs/projection/McBrydeThomasIProjection
Super-classes	McBrydeThomasIProjection

11.178. Class: geosrs:MercatorProjection

Table 244 — geosrs:MercatorProjection

URI	https://w3id.org/geosrs/projection/MercatorProjection
Super-classes	MercatorProjection

11.179. Class: geosrs:MillerOblatedStereographicProjection

Table 245 — geosrs:MillerOblatedStereographicProjection

URI	https://w3id.org/geosrs/projection/MillerOblatedStereographicProjection
Super-classes	MillerOblatedStereographicProjection

11.180. Class: geosrs:MillerProjection

Table 246 — geosrs:MillerProjection

URI	https://w3id.org/geosrs/projection/MillerProjection
Super-classes	MillerProjection

11.181. Class: geosrs:MinimumErrorProjection

Table 247 — geosrs:MinimumErrorProjection

URI	https://w3id.org/geosrs/projection/MinimumErrorProjection
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11.182. Class: geosrs:MollweideProjection

Table 248 — geosrs:MollweideProjection

URI	https://w3id.org/geosrs/projection/MollweideProjection
Super-classes	EqualAreaProjection PseudoCylindricalProjection

11.183. Class: geosrs:MurdochIIIProjection

Table 249 — geosrs:MurdochIIIProjection

URI	https://w3id.org/geosrs/projection/MurdochIIIProjection
Super-classes	MurdochIIIProjection

11.184. Class: geosrs:MurdochIIProjection

Table 250 — geosrs:MurdochIIProjection

URI	https://w3id.org/geosrs/projection/MurdochIIProjection
Super-classes	MurdochIIProjection

11.185. Class: geosrs:MurdochIProjection

Table 251 — geosrs:MurdochIProjection

URI	https://w3id.org/geosrs/projection/MurdochIProjection
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Super-classes	<u>MurdochIProjection</u>
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11.186. Class: geosrs:MyrahedalProjection

Table 252 — geosrs:MyrahedalProjection

URI	<u>https://w3id.org/geosrs/projection/MyrahedalProjection</u>
Super-classes	<u>MyrahedalProjection</u>

11.187. Class: geosrs:NaturalEarth2Projection

Table 253 — geosrs:NaturalEarth2Projection

URI	<u>https://w3id.org/geosrs/projection/NaturalEarth2Projection</u>
Super-classes	<u>NaturalEarth2Projection</u>

11.188. Class: geosrs:NaturalEarthProjection

Table 254 — geosrs:NaturalEarthProjection

URI	<u>https://w3id.org/geosrs/projection/NaturalEarthProjection</u>
Definition	A pseudocylindrical map projection designed by Tom Patterson and introduced in 2008
Super-classes	<u>NaturalEarthProjection</u>

11.189. Class: geosrs:NellHammerProjection

Table 255 — geosrs:NellHammerProjection

URI	https://w3id.org/geosrs/projection/NellHammerProjection
Super-classes	NellHammerProjection

11.190. Class: geosrs:NellProjection

Table 256 — geosrs:NellProjection

URI	https://w3id.org/geosrs/projection/NellProjection
Super-classes	NellProjection

11.191. Class: geosrs:NicolosiGlobularProjection

Table 257 — geosrs:NicolosiGlobularProjection

URI	https://w3id.org/geosrs/projection/NicolosiGlobularProjection
Super-classes	NicolosiGlobularProjection

11.192. Class: geosrs:NordicProjection

Table 258 — geosrs:NordicProjection

URI	https://w3id.org/geosrs/projection/NordicProjection
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11.193. Class: geosrs:ObliqueCylindricalEqualAreaProjection

Table 259 — geosrs:ObliqueCylindricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/ObliqueCylindricalEqualAreaProjection
Super-classes	ObliqueCylindricalEqualAreaProjection

11.194. Class: geosrs:ObliqueMercatorProjection

Table 260 — geosrs:ObliqueMercatorProjection

URI	https://w3id.org/geosrs/projection/ObliqueMercatorProjection
Super-classes	ObliqueMercatorProjection

11.195. Class: geosrs:ObliquePlateCarreeProjection

Table 261 — geosrs:ObliquePlateCarreeProjection

URI	https://w3id.org/geosrs/projection/ObliquePlateCarreeProjection
Super-classes	ObliquePlateCarreeProjection

11.196. Class: geosrs:ObliqueProjection

Table 262 — geosrs:ObliqueProjection

URI	https://w3id.org/geosrs/projection/ObliqueProjection
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11.197. Class: geosrs:ObliqueStereographicProjection

Table 263 — geosrs:ObliqueStereographicProjection

URI	https://w3id.org/geosrs/projection/ObliqueStereographicProjection
Super-classes	ObliqueStereographicProjection

11.198. Class: geosrs:OctantProjection

Table 264 — geosrs:OctantProjection

URI	https://w3id.org/geosrs/projection/OctantProjection
Super-classes	OctantProjection

11.199. Class: geosrs:OrteliusOvalProjection

Table 265 — geosrs:OrteliusOvalProjection

URI	https://w3id.org/geosrs/projection/OrteliusOvalProjection
Super-classes	OrteliusOvalProjection

11.200. Class: geosrs:OrthographicProjection

Table 266 — geosrs:OrthographicProjection

URI	https://w3id.org/geosrs/projection/OrthographicProjection
Super-classes	OrthographicProjection

11.201. Class: geosrs:OvalProjection

Table 267 — geosrs:OvalProjection

URI	https://w3id.org/geosrs/projection/OvalProjection
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11.202. Class: geosrs:PattersonCylindricalProjection

Table 268 — geosrs:PattersonCylindricalProjection

URI	https://w3id.org/geosrs/projection/PattersonCylindricalProjection
Super-classes	PattersonCylindricalProjection

11.203. Class: geosrs:PavlovProjection

Table 269 — geosrs:PavlovProjection

URI	https://w3id.org/geosrs/projection/PavlovProjection
Super-classes	PavlovProjection

11.204. Class: geosrs:PeirceQuincuncialProjection

Table 270 — geosrs:PeirceQuincuncialProjection

URI	https://w3id.org/geosrs/projection/PeirceQuincuncialProjection
Super-classes	PeirceQuincuncialProjection

11.205. Class: geosrs:PerspectiveConicProjection

Table 271 — geosrs:PerspectiveConicProjection

URI	https://w3id.org/geosrs/projection/PerspectiveConicProjection
Super-classes	PerspectiveConicProjection

11.206. Class: geosrs:PerspectiveProjection

Table 272 — geosrs:PerspectiveProjection

URI	https://w3id.org/geosrs/projection/PerspectiveProjection
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11.207. Class: geosrs:PetermannStarProjection

Table 273 — geosrs:PetermannStarProjection

URI	https://w3id.org/geosrs/projection/PetermannStarProjection
Super-classes	PetermannStarProjection

11.208. Class: geosrs:PlateCarreeProjection

Table 274 — geosrs:PlateCarreeProjection

URI	https://w3id.org/geosrs/projection/PlateCarreeProjection
Super-classes	PlateCarreeProjection

11.209. Class: geosrs:PoleLineProjection

Table 275 — geosrs:PoleLineProjection

URI	https://w3id.org/geosrs/projection/PoleLineProjection
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11.210. Class: geosrs:PolyconicProjection

Table 276 — geosrs:PolyconicProjection

URI	https://w3id.org/geosrs/projection/PolyconicProjection
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11.211. Class: geosrs:PolyhedralProjection

Table 277 — geosrs:PolyhedralProjection

URI	https://w3id.org/geosrs/projection/PolyhedralProjection
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11.212. Class: geosrs:Projection

Table 278 — geosrs:Projection

URI	https://w3id.org/geosrs/projection/Projection
Super-classes	Projection

11.213. Class: geosrs:PseudoAzimuthalProjection

Table 279 — geosrs:PseudoAzimuthalProjection

URI	https://w3id.org/geosrs/projection/ PseudoAzimuthalProjection
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11.214. Class: geosrs:PseudoConicalProjection

Table 280 — geosrs:PseudoConicalProjection

URI	https://w3id.org/geosrs/projection/ PseudoConicalProjection
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11.215. Class: geosrs:PseudoCylindricalProjection

Table 281 — geosrs:PseudoCylindricalProjection

URI	https://w3id.org/geosrs/projection/ PseudoCylindricalProjection
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11.216. Class: geosrs:PseudoOrthographicProjection

Table 282 — geosrs:PseudoOrthographicProjection

URI	https://w3id.org/geosrs/projection/PseudoOrthographicProjection
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11.217. Class: geosrs:PtolemyIIProjection

Table 283 — geosrs:PtolemyIIProjection

URI	https://w3id.org/geosrs/projection/PtolemyIIProjection
Super-classes	PtolemyIProjection

11.218. Class: geosrs:PtolemyIProjection

Table 284 — geosrs:PtolemyIProjection

URI	https://w3id.org/geosrs/projection/PtolemyIProjection
Super-classes	PtolemyProjection

11.219. Class: geosrs:PutninsP1Projection

Table 285 — geosrs:PutninsP1Projection

URI	https://w3id.org/geosrs/projection/PutninsP1Projection
Super-classes	PutninsP1Projection

11.220. Class: geosrs:PutninsP2Projection

Table 286 — geosrs:PutninsP2Projection

URI	https://w3id.org/geosrs/projection/PutninsP2Projection
Super-classes	PutninsP2Projection

11.221. Class: geosrs:PutninsP3Projection

Table 287 — geosrs:PutninsP3Projection

URI	https://w3id.org/geosrs/projection/PutninsP3Projection
Super-classes	PutninsP3Projection

11.222. Class: geosrs:PutninsP5Projection

Table 288 — geosrs:PutninsP5Projection

URI	https://w3id.org/geosrs/projection/PutninsP5Projection
Super-classes	PutninsP5Projection

11.223. Class: geosrs:PutninsP6Projection

Table 289 — geosrs:PutninsP6Projection

URI	https://w3id.org/geosrs/projection/PutninsP6Projection
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11.224. Class: geosrs:QuadrilateralizedSphericalCubeProjection

Table 290 — geosrs:QuadrilateralizedSphericalCubeProjection

URI	https://w3id.org/geosrs/projection/QuadrilateralizedSphericalCubeProjection
Super-classes	QuadrilateralizedSphericalCubeProjection

11.225. Class: geosrs:QuarticAuthalicProjection

Table 291 — geosrs:QuarticAuthalicProjection

URI	https://w3id.org/geosrs/projection/QuarticAuthalicProjection
Super-classes	QuarticAuthalicProjection

11.226. Class: geosrs:RectangularPolyconicProjection

Table 292 — geosrs:RectangularPolyconicProjection

URI	https://w3id.org/geosrs/projection/RectangularPolyconicProjection
Super-classes	RectangularPolyconicProjection

11.227. Class: geosrs:RetroazimuthalProjection

Table 293 — geosrs:RetroazimuthalProjection

URI	https://w3id.org/geosrs/projection/RetroazimuthalProjection
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11.228. Class: geosrs:RobinsonProjection

Table 294 — geosrs:RobinsonProjection

URI	https://w3id.org/geosrs/projection/RobinsonProjection
Super-classes	RobinsonProjection

11.229. Class: geosrs:RoussilheProjection

Table 295 — geosrs:RoussilheProjection

URI	https://w3id.org/geosrs/projection/RoussilheProjection
Super-classes	RoussilheProjection

11.230. Class: geosrs:SchjerningIProjection

Table 296 — geosrs:SchjerningIProjection

URI	https://w3id.org/geosrs/projection/SchjerningIProjection
Super-classes	SchjerningIProjection

11.231. Class: geosrs:SinusoidalProjection

Table 297 — geosrs:SinusoidalProjection

URI	https://w3id.org/geosrs/projection/SinusoidalProjection
Super-classes	SinusoidalProjection

11.232. Class: geosrs:SmythEqualSurfaceProjection

Table 298 — geosrs:SmythEqualSurfaceProjection

URI	https://w3id.org/geosrs/projection/SmythEqualSurfaceProjection
Super-classes	SmythEqualSurfaceProjection

11.233. Class: geosrs:SpaceObliqueMercatorProjection

Table 299 — geosrs:SpaceObliqueMercatorProjection

URI	https://w3id.org/geosrs/projection/SpaceObliqueMercatorProjection
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11.234. Class: geosrs:SpilhausOceanicProjection

Table 300 — geosrs:SpilhausOceanicProjection

URI	https://w3id.org/geosrs/projection/SpilhausOceanicProjection
Super-classes	SpilhausOceanicProjection

11.235. Class: geosrs:StabiusWernerIIIProjection

Table 301 — geosrs:StabiusWernerIIIProjection

URI	https://w3id.org/geosrs/projection/StabiusWernerIIIProjection
Super-classes	StabiusWernerIIIProjection

11.236. Class: geosrs:StabiusWernerIIProjection

Table 302 — geosrs:StabiusWernerIIProjection

URI	https://w3id.org/geosrs/projection/StabiusWernerIIProjection
Super-classes	StabiusWernerIIProjection

11.237. Class: geosrs:StabiusWernerIProjection

Table 303 — geosrs:StabiusWernerIProjection

URI	https://w3id.org/geosrs/projection/StabiusWernerIProjection
Super-classes	StabiusWernerIProjection

11.238. Class: geosrs:StereographicProjection

Table 304 — geosrs:StereographicProjection

URI	https://w3id.org/geosrs/projection/StereographicProjection
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Super-classes

[StereographicProjection](#)

11.239. Class: geosrs:Strebe1995Projection

Table 305 — geosrs:Strebe1995Projection

URI	https://w3id.org/geosrs/projection/Strebe1995Projection
Super-classes	Strebe1995Projection

11.240. Class: geosrs:TheTimesProjection

Table 306 — geosrs:TheTimesProjection

URI	https://w3id.org/geosrs/projection/TheTimesProjection
Super-classes	TheTimesProjection

11.241. Class: geosrs:TiltedPerspectiveProjection

Table 307 — geosrs:TiltedPerspectiveProjection

URI	https://w3id.org/geosrs/projection/TiltedPerspectiveProjection
Super-classes	TiltedPerspectiveProjection

11.242. Class: geosrs:ToblerCylindricalIIProjection

Table 308 — geosrs:ToblerCylindricalIIIProjection

URI	https://w3id.org/geosrs/projection/ToblerCylindricalIIIProjection
Super-classes	ToblerCylindricalIIIProjection

11.243. Class: geosrs:ToblerCylindricalIProjection

Table 309 — geosrs:ToblerCylindricalIProjection

URI	https://w3id.org/geosrs/projection/ToblerCylindricalIProjection
Super-classes	ToblerCylindricalIProjection

11.244. Class: geosrs:ToblerG1Projection

Table 310 — geosrs:ToblerG1Projection

URI	https://w3id.org/geosrs/projection/ToblerG1Projection
Super-classes	ToblerG1Projection

11.245. Class: geosrs:ToblerHyperellipticalProjection

Table 311 — geosrs:ToblerHyperellipticalProjection

URI	https://w3id.org/geosrs/projection/ToblerHyperellipticalProjection
Super-classes	ToblerHyperellipticalProjection

11.246. Class: geosrs:ToblerWorldInASquareProjection

Table 312 — geosrs:ToblerWorldInASquareProjection

URI	https://w3id.org/geosrs/projection/ToblerWorldInASquareProjection
Super-classes	ToblerWorldInASquareProjection

11.247. Class: geosrs:TransverseCylindricalEqualAreaProjection

Table 313 — geosrs:TransverseCylindricalEqualAreaProjection

URI	https://w3id.org/geosrs/projection/TransverseCylindricalEqualAreaProjection
Super-classes	TransverseCylindricalEqualAreaProjection

11.248. Class: geosrs:TransverseMercatorProjection

Table 314 — geosrs:TransverseMercatorProjection

URI	https://w3id.org/geosrs/projection/TransverseMercatorProjection
Super-classes	TransverseMercatorProjection

11.249. Class: geosrs:TrystanEdwardsProjection

Table 315 — geosrs:TrystanEdwardsProjection

URI	https://w3id.org/geosrs/projection/TrystanEdwardsProjection
Super-classes	TrystanEdwardsProjection

11.250. Class: geosrs:TwoPointEquidistantProjection

Table 316 — geosrs:TwoPointEquidistantProjection

URI	https://w3id.org/geosrs/projection/TwoPointEquidistantProjection
Super-classes	TwoPointEquidistantProjection

11.251. Class: geosrs:UniversalTransverseMercatorProjection

Table 317 — geosrs:UniversalTransverseMercatorProjection

URI	https://w3id.org/geosrs/projection/UniversalTransverseMercatorProjection
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11.252. Class: geosrs:UrmayevIIIProjection

Table 318 — geosrs:UrmayevIIIProjection

URI	https://w3id.org/geosrs/projection/UrmayevIIIProjection
Super-classes	UrmayevIIIProjection

11.253. Class: geosrs:VanDerGrintenIIIProjection

Table 319 — geosrs:VanDerGrintenIIIProjection

URI	https://w3id.org/geosrs/projection/VanDerGrintenIIIProjection
Super-classes	VanDerGrintenIIIProjection

11.254. Class: geosrs:VanDerGrintenIIProjection

Table 320 — geosrs:VanDerGrintenIIProjection

URI	https://w3id.org/geosrs/projection/VanDerGrintenIIProjection
Super-classes	VanDerGrintenIIProjection

11.255. Class: geosrs:VanDerGrintenIProjection

Table 321 — geosrs:VanDerGrintenIProjection

URI	https://w3id.org/geosrs/projection/VanDerGrintenIProjection
Super-classes	VanDerGrintenIProjection

11.256. Class: geosrs:VanDerGrintenIVProjection

Table 322 — geosrs:VanDerGrintenIVProjection

URI	https://w3id.org/geosrs/projection/VanDerGrintenIVProjection
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11.257. Class: geosrs:VerticalPerspectiveProjection

Table 323 — geosrs:VerticalPerspectiveProjection

URI	https://w3id.org/geosrs/projection/VerticalPerspectiveProjection
Super-classes	VerticalPerspectiveProjection

11.258. Class: geosrs:VitkovskyIProjection

Table 324 — geosrs:VitkovskyIProjection

URI	https://w3id.org/geosrs/projection/VitkovskyIProjection
Super-classes	VitkovskyIProjection

11.259. Class: geosrs:WagnerIIIProjection

Table 325 — geosrs:WagnerIIIProjection

URI	https://w3id.org/geosrs/projection/WagnerIIIProjection
Super-classes	WagnerIIIProjection

11.260. Class: geosrs:WagnerIIProjection

Table 326 — geosrs:WagnerIIProjection

URI	https://w3id.org/geosrs/projection/WagnerIIProjection
Super-classes	WagnerIIProjection

11.261. Class: geosrs:WagnerIProjection

Table 327 — geosrs:WagnerIProjection

URI	https://w3id.org/geosrs/projection/WagnerIProjection
Super-classes	WagnerIProjection

11.262. Class: geosrs:WagnerIVProjection

Table 328 — geosrs:WagnerIVProjection

URI	https://w3id.org/geosrs/projection/WagnerIVProjection
Super-classes	WagnerIVProjection

11.263. Class: geosrs:WagnerIXProjection

Table 329 — geosrs:WagnerIXProjection

URI	https://w3id.org/geosrs/projection/WagnerIXProjection
Super-classes	WagnerIXProjection

11.264. Class: geosrs:WagnerVIIIProjection

Table 330 — geosrs:WagnerVIIIProjection

URI	https://w3id.org/geosrs/projection/WagnerVIIIProjection
Super-classes	WagnerVIIIProjection

11.265. Class: geosrs:WagnerVIIProjection

Table 331 — geosrs:WagnerVIIProjection

URI	https://w3id.org/geosrs/projection/WagnerVIIProjection
Super-classes	WagnerVIIProjection

11.266. Class: geosrs:WagnerVIProjection

Table 332 — geosrs:WagnerVIProjection

URI	https://w3id.org/geosrs/projection/WagnerVIProjection
Super-classes	WagnerVIProjection

11.267. Class: geosrs:WagnerVProjection

Table 333 — geosrs:WagnerVProjection

URI	https://w3id.org/geosrs/projection/WagnerVProjection
-----	---

Super-classes

[WagnerVProjection](#)

11.268. Class: geosrs:WatermanButterflyProjection

Table 334 — geosrs:WatermanButterflyProjection

URI	<u>https://w3id.org/geosrs/projection/WatermanButterflyProjection</u>
Super-classes	<u>WatermanButterflyProjection</u>

11.269. Class: geosrs:WebMercatorProjection

Table 335 — geosrs:WebMercatorProjection

URI	<u>https://w3id.org/geosrs/projection/WebMercatorProjection</u>
Super-classes	<u>WebMercatorProjection</u>

11.270. Class: geosrs:WerenskioldIProjection

Table 336 — geosrs:WerenskioldIProjection

URI	<u>https://w3id.org/geosrs/projection/WerenskioldIProjection</u>
Super-classes	<u>WerenskioldIProjection</u>

11.271. Class: geosrs:WernerProjection

Table 337 — geosrs:WernerProjection

URI	https://w3id.org/geosrs/projection/WernerProjection
Super-classes	WernerProjection

11.272. Class: geosrs:WiechelProjection

Table 338 — geosrs:WiechelProjection

URI	https://w3id.org/geosrs/projection/WiechelProjection
Super-classes	WiechelProjection

11.273. Class: geosrs:WinkelIIIProjection

Table 339 — geosrs:WinkelIIIProjection

URI	https://w3id.org/geosrs/projection/WinkelIIIProjection
Super-classes	WinkelIIIProjection

11.274. Class: geosrs:WinkelIProjection

Table 340 — geosrs:WinkelIProjection

URI	https://w3id.org/geosrs/projection/WinkelIProjection
Super-classes	WinkelIProjection

11.275. Class: geosrs:WinkelSnyderProjection

Table 341 — geosrs:WinkelSnyderProjection

URI	https://w3id.org/geosrs/projection/WinkelSnyderProjection
Super-classes	WinkelSnyderProjection

11.276. Class: geosrs:WinkelTripelProjection

Table 342 — geosrs:WinkelTripelProjection

URI	https://w3id.org/geosrs/projection/WinkelTripelProjection
Super-classes	WinkelTripelProjection

11.277. Class: geosrs:PutninsP3'Projection

Table 343 — geosrs:PutninsP3'Projection

URI	https://w3id.org/geosrs/projection/PutninsP3'Projection
Super-classes	PutninsP3'Projection

11.278. Class: geosrs:PutninsP4'Projection

Table 344 — geosrs:PutninsP4'Projection

URI	https://w3id.org/geosrs/projection/PutninsP4'Projection
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Super-classes

<u>PutninsP4'Projection</u>

11.279. Class: geosrs:PutninsP5'Projection

Table 345 — geosrs:PutninsP5'Projection

URI

<u>https://w3id.org/geosrs/projection/PutninsP5'Projection</u>
--

Super-classes

<u>PutninsP5'Projection</u>

11.280. Class: geosrs:PutninsP6'Projection

Table 346 — geosrs:PutninsP6'Projection

URI

<u>https://w3id.org/geosrs/projection/PutninsP6'Projection</u>
--

Super-classes

<u>PutninsP6'Projection</u>

11.281. Class: geosrs:MollweideWagnerProjection

Table 347 — geosrs:MollweideWagnerProjection

URI

<u>https://w3id.org/geosrs/projection/MollweideWagnerProjection</u>
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12

PLANET MODULE

This clause establishes the **PLANET** Requirements class, with IRI /req/planet, which has a corresponding Conformance Class, **PLANET**, with IRI /conf/planet.



ANNEX A (INFORMATIVE) ALIGNMENTS



ANNEX A (INFORMATIVE) ALIGNMENTS

Overview

Overview

The prefixes used for the ontologies mapped to in all following sections are given in the following table.

Table A.1 — Alignment: Namespaces

ign:	http://data.ign.fr/def/ignf#
iso19111:	http://def.isotc211.org/iso19112/2019/SpatialReferencingByGeographicIdentifier#
geosrs:	http://www.opengis.net/ont/geosparql#
ifc:	https://standards.buildingsmart.org/IFC/DEV/IFC4/ADD2_TC1/OWL/
owl:	http://www.w3.org/2002/07/owl#
prov:	http://www.w3.org/ns/prov#
rdf:	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs:	http://www.w3.org/2000/01/rdf-schema#

A.1. IGN CRS Ontology

Table A.2 — Alignment: IGN CRS Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CoordinateSystem	<u>owl:equivalentClass</u>	<u>ign:CoordinateSystem</u>	-
geosrs:Datum	<u>owl:equivalentClass</u>	<u>ign:Datum</u>	-
geosrs:Ellipsoid	<u>owl:equivalentClass</u>	<u>ign:Ellipsoid</u>	-

A.2. ISO 19111 Ontology

Table A.3 — Alignment: ISO 19111 Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CoordinateSystem	<u>owl:equivalentClass</u>	<u>iso19111:CoordinateSystem</u>	-
geosrs:Datum	<u>owl:equivalentClass</u>	<u>iso19111:Datum</u>	-
geosrs:Ellipsoid	<u>owl:equivalentClass</u>	<u>iso19111:Ellipsoid</u>	-

A.3. IFCOWL Ontology

Table A.4 — Alignment: IFCOWL Ontology

FROM ELEMENT	MAPPING RELATION	TO ELEMENT	NOTES
geosrs:CRS	<u>owl:equivalentClass</u>	<u>ifc:CoordinateReferenceSystem</u>	-



ANNEX B (INFORMATIVE) SHACL SHAPES



ANNEX B (INFORMATIVE) SHACL SHAPES

Overview

Overview



ANNEX C (INFORMATIVE) REVISION HISTORY



ANNEX C (INFORMATIVE) REVISION HISTORY

DATE	RELEASE	AUTHOR	PRIMARY CLAUSES MODIFIED	DESCRIPTION
2016-04-28	0.1	G. Editor	all	initial version



BIBLIOGRAPHY





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NOTE: The TC has approved Springer LNCS as the official document citation type. Springer LNCS is widely used in technical and computer science journals and other publications. For citations in the text please use square brackets and consecutive numbers: [1], [2], [3]. Actual References: [n] Journal: Author Surname, A.: Title. Publication Title. Volume number, Issue number, Pages Used (Year Published)

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