Space Tracking Ontology

IRI:

http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology

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Ontology source

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Introduction

Ontology made to organize and track astronomical objects all around the solar system and beyond

Classes

<u>Aerocentric</u> Artificial Satellite Asteroid <u>Astronomical Object</u> Black Hole Dwarf Planet Geocentric **Giant Planet Habitable Planet** Heliocentric Inhabitable Planet Lunar Natural Satellite Orbiter **Planet** Pulsar Satellite Solar System Planet Star Terrestrial Planet White Dwarf **Yellow Dwarf**

Aerocentric^C

back to ToC or Class ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#Areocentric

is equivalent to

Has Orbit Center op some Planet and (Name dp value Mars)

has super-classes

Orbiter^C

is disjoint with

Geocentric^c, Heliocentric^c, Lunar^c

An Aerocentric Orbiter is an Astronomical Object that orbits around the planet Mars

Artificial Satellite^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Artificial_Satellite

A man-made apparatus designed to be placed in orbit around a celestial body, generally to relay information, data etc. to Earth.

has super-classes

Satellite^C

is disjoint with

Natural Satellite^C

A man-made apparatus designed to be placed in orbit around a celestial body, generally to relay information, data etc. to Earth.

Asteroid^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Asteroid

has super-classes

Astronomical Object^c

is disjoint with

Comet^c, Dwarf Planet^c, Natural Satellite^c, Planet^c, Star^c

Asteroids are actually minor planets which can neither be classified either as a planet or as a comet.

Astronomical Object^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Astronomical_Object

has sub-classes

<u>Asteroid^c</u>, <u>Comet^c</u>, <u>Dwarf Planet^c</u>, <u>Natural Satellite^c</u>, <u>Planet^c</u>, <u>Star^c</u>

is in domain of

Has Orbit Center^{op}, Orbited By^{op}, Orbits Around^{op}, is bigger than^{op}

is in range of

Has Orbit Center^{op}, Orbited By^{op}, Orbits Around^{op}, is bigger than^{op}

has members

Aegaeonⁿⁱ, Amaltheaⁿⁱ, Andrasteaⁿⁱ, Antheⁿⁱ, Arielⁿⁱ, Atlasⁿⁱ, Callistoⁿⁱ, Calypsoⁿⁱ, Daphinsⁿⁱ, Dioneⁿⁱ, Enceladusⁿⁱ, Epimetheusⁿⁱ, Europaⁿⁱ, Ganymedeⁿⁱ, Heleneⁿⁱ, Hyperionⁿⁱ, Iapetusⁿⁱ, Ioⁿⁱ, Janusⁿⁱ, Jupiterⁿⁱ, Marsⁿⁱ, Methoneⁿⁱ, Metisⁿⁱ, Mimasⁿⁱ, Mirandaⁿⁱ, Neptuneⁿⁱ, Nereidⁿⁱ, Oberonⁿⁱ, Palleneⁿⁱ, Panⁿⁱ, Pandoraⁿⁱ, Phoebeⁿⁱ, Polyduceⁿⁱ, Prometheusⁿⁱ, Rheaⁿⁱ, Saturnⁿⁱ, Telestoⁿⁱ, Tethisⁿⁱ, Thebeⁿⁱ, Titanⁿⁱ, Titaniaⁿⁱ, Tritonⁿⁱ, Umbrielⁿⁱ, Uranusⁿⁱ, deimosⁿⁱ

Astronomical Body is a naturally occurring physical entity, association, or structure that exists in the observable universe.

Black Hole^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Black_Hole

has super-classes

Starc

is disjoint with

Pulsar^c, White Dwarf^c, Yellow Dwarf^c

A black hole is a region of spacetime exhibiting gravitational acceleration so strong that nothing, no particles or even electromagnetic radiation such as light, can escape from it.

Comet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Comet

has super-classes

Astronomical Object^C

is disjoint with

Asteroid^c, Dwarf Planet^c, Natural Satellite^c, Planet^c, Star^c

A comet is an icy, small Solar System body that, when passing close to the Sun, warms and begins to release gases, a process called outgassing.

Dwarf Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Dwarf Planet

has super-classes

Astronomical Object^C

is disjoint with

<u>Asteroid^c, Comet^c, Natural Satellite^c, Planet^c, Star^c</u>

A dwarf planet is a planetary-mass object that does not dominate its region of space and is not a satellite.

Geocentric^c

back to ToC or Class ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Geocentric

is equivalent to

Has Orbit Center op some Planet and (Name dp value Earth)

has super-classes

Orbiter^C

is disjoint with

Aerocentric^c, Heliocentric^c, Lunar^c

A Geocentric Orbiter is an Astronomical Object that orbits around the planet Earth

Giant Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Giant_Planet

has super-classes

<u>Planet</u>^c

is disjoint with

Terrestrial Planet^c

A giant planet is any planet much larger than Earth.

Habitable Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Habitable_Planet

is equivalent to

Solar System Planet^c and (Semimajor Axis^{dp} some)

has super-classes

Solar System Planet^C

Habitable Planet is a planet that is able to develop and maintain environments hospitable to life.

Heliocentric^C

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Heliocentric

is defined by

http://stefanococomazzi.it/ontologies/space tracking ontology.owl

is equivalent to

Has Orbit Center op some Star and (Name dp value Sun)

has super-classes

Orbiter^C

is disjoint with

Aerocentric^c, Geocentric^c, Lunar^c

An Aerocentric Orbiter is an Astronomical Object that orbits around the Star Sun

Inhabitable Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Inhabitable Planet

is equivalent to

(<u>Solar System Planet</u>^c and (<u>Semimajor Axis</u>^{dp} some)) or (<u>Semimajor Axis</u>^{dp} some)

has super-classes

Solar System Planet^c

Habitable Planet is a planet that is not able to develop and maintain environments hospitable to life.

Lunar^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Lunar

is defined by

http://stefanococomazzi.it/ontologies/space tracking ontology.owl

is equivalent to

Has Orbit Center op some Natural Satellite and (Name dp value Moon)

has super-classes

Orbiter^C

is disjoint with

Aerocentric^c, Geocentric^c, Heliocentric^c

a Lunar Orbiter is an Astronomical Object that orbits around the Moon

Natural Satellite^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Natural_Satellite

A Natural Satellite is an astronomical body that orbits a planet or minor planet

has super-classes

<u>Astronomical Object</u>^c

Satellite^c

has members

Aegaeonⁿⁱ, Amaltheaⁿⁱ, Andrasteaⁿⁱ, Antheⁿⁱ, Arielⁿⁱ, Atlasⁿⁱ, Callistoⁿⁱ, Calypsoⁿⁱ, Daphinsⁿⁱ, Dioneⁿⁱ, Enceladusⁿⁱ, Epimetheusⁿⁱ, Europaⁿⁱ, Ganymedeⁿⁱ, Heleneⁿⁱ, Hyperionⁿⁱ, Iapetusⁿⁱ, Ioⁿⁱ, Janusⁿⁱ, Methoneⁿⁱ, Metisⁿⁱ, Mimasⁿⁱ, Mirandaⁿⁱ, Nereidⁿⁱ, Oberonⁿⁱ, Palleneⁿⁱ, Panⁿⁱ, Pandoraⁿⁱ, Phobosⁿⁱ, Phoebeⁿⁱ, Polyduceⁿⁱ, Prometheusⁿⁱ, Rheaⁿⁱ, Telestoⁿⁱ, Tethisⁿⁱ, Thebeⁿⁱ, Titanⁿⁱ, Titaniaⁿⁱ, Tritonⁿⁱ, Umbrielⁿⁱ, deimosⁿⁱ

is disjoint with

Artificial Satellite^c, Asteroid^c, Comet^c, Dwarf Planet^c, Planet^c, Star^c

Orbiter^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Orbiter

is equivalent to

Has Orbit Center op some Astronomical Object C

has sub-classes

Aerocentric^c, Geocentric^c, Heliocentric^c, Lunar^c

is in domain of

Semimajor Axis^{dp}

Orbiter is a thing that orbits around an astronomical body. They are defined by the astronomical body at the center of the orbit. The most common orbits are: "Geocentrisc", "Lunars", "Heliocntrics" and "Areocentrics".

Planet^C

back to ToC or Class ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Planet

is defined by

https://www.wikidata.org/wiki/Q634

has super-classes

Astronomical Object^C

has sub-classes

Giant Planet^c, Solar System Planet^c, Terrestrial Planet^c

is disjoint with

Asteroid^c, Comet^c, Dwarf Planet^c, Natural Satellite^c, Star^c

Pulsar^c

back to ToC or Class ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Pulsar

has super-classes

Starc

is disjoint with

Black Hole^c, White Dwarf^c, Yellow Dwarf^c

A pulsar is a highly magnetized rotating neutron star that emits beams of electromagnetic radiation out of its magnetic poles.

Satellite^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Satellite

is defined by

https://en.wiktionary.org/wiki/satellite

A Naturale Satellite is an astronomical body that orbits a planet or minor planet

has sub-classes

Artificial Satellite^c, Natural Satellite^c

is in domain of

Has Orbit Centerop

is in range of

Orbited Byop, Orbits Aroundop

has members

Aegaeonⁿⁱ, Amaltheaⁿⁱ, Andrasteaⁿⁱ, Antheⁿⁱ, Arielⁿⁱ, Atlasⁿⁱ, Callistoⁿⁱ, Calypsoⁿⁱ, Daphinsⁿⁱ, Dioneⁿⁱ, Enceladusⁿⁱ, Epimetheusⁿⁱ, Europaⁿⁱ, Ganymedeⁿⁱ, Heleneⁿⁱ, Hyperionⁿⁱ, Iapetusⁿⁱ, Ioⁿⁱ, Janusⁿⁱ, Jupiterⁿⁱ, Marsⁿⁱ, Methoneⁿⁱ, Metisⁿⁱ, Mimasⁿⁱ, Mirandaⁿⁱ, Neptuneⁿⁱ, Nereidⁿⁱ, Oberonⁿⁱ, Palleneⁿⁱ, Panⁿⁱ, Pandoraⁿⁱ, Phoebeⁿⁱ, Polyduceⁿⁱ, Prometheusⁿⁱ, Rheaⁿⁱ, Saturnⁿⁱ, Telestoⁿⁱ, Tethisⁿⁱ, Thebeⁿⁱ, Titanⁿⁱ, Tritonⁿⁱ, Umbrielⁿⁱ, Uranusⁿⁱ, deimosⁿⁱ

Solar System Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Solar_System_Planet

is equivalent to

{ earth , Mercury , Neptune , Saturn , Jupiter , Uranus , Venus , Mars }

has super-classes

<u>Planet</u>^C

has sub-classes

Habitable Planet^c, Inhabitable Planet^c

Solar System Planet are all the planets that are in the solar system

Starc

back to ToC or Class ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Star

has super-classes

Astronomical Object^c

has sub-classes

Black Hole^c, Pulsar^c, White Dwarf^c, Yellow Dwarf^c

has members

Sunni

is disjoint with

Asteroid^c, Comet^c, Dwarf Planet^c, Natural Satellite^c, Planet^c

Terrestrial Planet^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Terrestrial Planet

Terrestial Planet is a planet that is composed primarily of silicate rocks or metals.

has super-classes

<u>Planet</u>^c

is disjoint with

Giant Planet^c

White Dwarf^c

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#White_Dwarf

has super-classes

Star^c

is disjoint with

Black Hole^c, Pulsar^c, Yellow Dwarf^c

A white dwarf, also called a degenerate dwarf, is a stellar core remnant composed mostly of electron-degenerate matter.

Yellow Dwarf^C

back to <u>ToC</u> or <u>Class ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Yellow_Dwarf

has super-classes

Star^c

is disjoint with

Black Hole^c, Pulsar^c, White Dwarf^c

A G-type main-sequence star, often called a yellow dwarf, or G dwarf star, is a main-sequence star with luminosity class V of spectral type G.

Object Properties

<u>Has Orbit Center has participant is bigger than is smaller than item next Orbited By Orbits Around ordered list previous slot</u>

Has Orbit Centerop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Has Orbit Center

has super-properties

Orbits Around^{op}

has domain

Astronomical Object^C

Satellite^c

has range

Astronomical Object^C

has participantop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#hasParticipant

is inverse of

is participant in op

is bigger than op

back to ToC or Object Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#isBiggerThan

has characteristics: transitive

has domain

Astronomical Object^C

has range

Astronomical Object[©]

is inverse of

is smaller than op

is smaller than op

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#isSmallerThan

has characteristics: transitive

is inverse of

is bigger than op

itemop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#item

has characteristics: functional

has domain

slot

next^{op}

back to ToC or Object Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#next

has characteristics: functional

has domain

slot^c

has range

slot

Orbited Byop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Orbited_By

has domain

Astronomical Object^C

has range

Astronomical Object^C

Satellite^c

is inverse of

Orbits Around op

Orbits Around^{op}

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Orbits_Around

has characteristics: transitive

has sub-properties

Has Orbit Center op

has domain

Astronomical Object^C

has range

Astronomical Object^C

Satellite^C

is inverse of

Orbited Byop

ordered listop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#ordered_list

has characteristics: functional

has domain

slot

has range

ordered list^c

is inverse of

slotop

previousop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#previous

has characteristics: functional

has domain

slot

has range

slot

slotop

back to <u>ToC</u> or <u>Object Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#slot

has characteristics: inverse functional

has domain

ordered list^c

has range

slot^c

is inverse of

ordered list^{op}

Data Properties

<u>Argument of Periapsis</u> <u>Eccentricity</u> <u>Inclination</u> <u>index length</u> <u>Longitude of the ascending node</u> <u>Mass</u> <u>Name</u> <u>Semimajor Axis</u> <u>Semimajor Axis</u> <u>True Anomaly</u>

Argument of Periapsis^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Argument_Of_Periapsis

defines the orientation of the ellipse in the orbital plane, as an angle measured from the ascending node to the periapsis

has super-properties

Semimajor Axis^{dp}

has range

double

Eccentricity^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Eccentricity

has super-properties

Semimajor Axis dp

has range

double

Inclination^{dp}

back to ToC or Data Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Inclination

Vertical tilt of the ellipse with respect to the reference plane, measured at the ascending node according to a reference plane

has super-properties

Semimajor Axis^{dp}

has range

double

index^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#index

has range

length^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#length

has range

Longitude of the ascending node^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Longitude_Of_The_Ascending_Node

horizontally orients the ascending node of the ellipse

has super-properties

Semimajor Axis^{dp}

has range double

Mass^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Mass

The mass of a thing expressed in Kg

has range

Namedp

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Name

The attribute that identifies the name of an object

has range

string

Semimajor Axis^{dp}

back to <u>ToC</u> or <u>Data Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Orbital_Parameter

The sum of the periapsis and apoapsis distances divided by two.

has sub-properties

Argument of Periapsis^{dp}, Eccentricity^{dp}, Inclination^{dp}, Longitude of the ascending node^{dp}, Semimajor Axis^{dp}, True Anomaly^{dp}

has domain

Orbiter^c

has range

double

Semimajor Axis^{dp}

back to ToC or Data Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#Semimajor Axis

The sum of the periapsis and apoapsis distances divided by two.

has super-properties

Semimajor Axis dp

has range

double

True Anomaly dp

back to ToC or Data Property ToC

http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#True Anomaly

defines the position of the orbiting body along the ellipse at a specific time

has super-properties

Semimajor Axis dp

has range

double

Named Individuals

Amalthea Andrastea Anthe Ariel Callisto <u>Aegaeon</u> Atlas Calypso Daphins deimos <u>Dione</u> <u>earth</u> <u>Enceladus</u> <u>Epimetheus</u> <u>Europa</u> <u>First Planet</u> <u>Ganymede</u> <u>Helene</u> <u>Hyperion</u> <u>lapetus</u> lo Janus **Jupiter** <u>Mars</u> <u>Mercury</u> <u>Methone</u> <u>Metis</u> <u>Mimas</u> <u>Miranda</u> <u>Neptune</u> <u>Moon</u> **Nereid** Oberon Pallene <u>Pan</u> **Pandora Phobos** <u>Phoebe</u> **Polyduce Prometheus** Second Planet Solar System Planet Rhea Saturn **Third Planet** Telesto <u>Tethis</u> Thebe Titan Titania Triton **Umbriel** Uranus Venus

Aegaeonⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Aegaeon

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c

Satellite^c

has facts

Name^{dp} "Aegaeon"^^string Has Orbit Center^{op} Saturn

Amaltheaⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Amalthea

Moon orbiting around Jupiter

belongs to

<u>Astronomical Object</u>^c

Natural Satellite^c

Satellite^c

has facts

Name dp "Amalthea" * string

Has Orbit Center op Jupiter

Andrasteaⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Andrastea

Moon orbiting around Jupiter

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^C

has facts

Name dp "Andrastea" ^^string

Has Orbit Center op Jupiter

Antheⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Anthe

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^C

has facts

Name dp "Anthe" ** string

Has Orbit Center op Saturn

Arielⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Ariel

Moon orbiting around Uranus

belongs to

Astronomical Object^C

Natural Satellite^c

Satellite^c

has facts

Name dp "Ariel" ** string

Has Orbit Center op Uranus

Atlasⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Atlas

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Namedp "Atlas"^^string

Has Orbit Center op Saturn

Callistoⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Callisto

Moon orbiting around Jupiter

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite

has facts

Name dp "Callisto" string
Has Orbit Center Dupiter

Calypsoni

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Calypso

Moon orbiting around Saturn

belongs to

Astronomical Object^c

Natural Satellite^c

Satellite^c

has facts

Name^{dp} "Calypso"^^string Has Orbit Center^{op} Saturn

Daphinsⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Daphins

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name or "Daphins" Natring
Has Orbit Center Saturn

deimosⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Deimos

Moon orbiting around Mars

belongs to

Astronomical Object^c
Natural Satellite^c

Satellite^c

has facts

Name dp "Deimos" ^^string

Has Orbit Center op Mars

Dioneⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Dione

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name^{dp} "Dione"^^string
Has Orbit Center^{op} Saturn

earthⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Earth

has facts

Inclination dp "-1.531E-5"^^double

Longitude of the ascending node^{dp} "0.0"^^double

Eccentricity^{dp} "0.01671123"^^double

Semimajor Axis^{dp} "1.00000261"^^double

Argument of Periapsis dp "102.9376819" double

Has Orbit Center op Sun

Earth is the third planet from the Sun and the only astronomical object known to harbor life. According to radiometric dating estimation and other evidence, Earth formed over 4.5 billion years ago. Earth's gravity interacts with other objects in space, especially the Sun and the Moon, which is Earth's only natural satellite.

Enceladusⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Enceladus

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name Tenceladus "^^string

Has Orbit Center op Saturn

Epimetheusⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Epimetheus

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name dp "Epimetheus" ^^ string

Has Orbit Center op Saturn

Europaⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Europa

Moon orbiting around Jupiter

belongs to

<u>Astronomical Object</u>^c

Natural Satellite^C

Satellite^c

has facts

Name dp "Europa"^^string

Has Orbit Center op Jupiter

First Planetni

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#First_Planet

First Slot of the Ordered List of Solar System Planet

belongs to

slot^c

has facts

index^{dp} "1"^^integer

item^{op} Mercury

next^{op} Second Planet

ordered list^{op} Solar System Planet

Ganymedeⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Ganymede

Moon orbiting around Jupiter

belongs to

Astronomical Object^c
Natural Satellite^c

Satellite^C

has facts

Name dp "Ganymede" \^string

Has Orbit Center^{op} Jupiter

Heleneⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Helene

Moon orbiting around Saturn

belongs to

Astronomical Object^c

Natural Satellite^c

Satellite^c

has facts

Namedp "Helene" ^^string

Has Orbit Center^{op} Saturn

Hyperionⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Hyperion

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^C

has facts

Namedp "Hyperion" ** string

Has Orbit Center op Saturn

lapetusⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#lapetus

Moon orbiting around Saturn

belongs to

Astronomical Object^c

Natural Satellite^c

Satellite^c

has facts

Name dp "lapetus" ^^string

Has Orbit Center^{op} Saturn

Ioni

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#lo

Moon orbiting around Jupiter

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name dp "lo"^^string

Has Orbit Center^{op} Jupiter

Janusⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Janus

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^C

has facts

Name dp "Janus" ^^ string

Has Orbit Center op Saturn

Jupiterⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Jupiter

belongs to

Astronomical Object^c

Satellite^c

has facts

Eccentricity^{dp} "0.04838624"^^double

Inclination^{dp} "1.30439695"^^double

Longitude of the ascending node 1700.4739091 And double

Argument of Periapsis^{dp} "14.72847983"^^double

Semimajor Axis^{dp} "5.202887"^^double

Has Orbit Center^{op} Sun

Jupiter is the fifth planet from the Sun and the largest in the Solar System. It is a gas giant with a mass one-thousandth that of the Sun, but two-and-a-half times that of all the other planets in the Solar System combined. Jupiter is one of the brightest objects visible to the naked eye in the night sky, and has been known to ancient civilizations since before recorded history.

Marsⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Mars

belongs to

Astronomical Object^C

Satellite^c

has facts

Argument of Periapsis dp "-23.94362959" Adouble

Eccentricity^{dp} "0.0933941"^^double

Semimajor Axis^{dp} "1.52371034"^^double

Inclination^{dp} "1.84969142"^^double

Longitude of the ascending node 49.55953891" \^double

Has Orbit Center op Sun

Mars is the fourth planet from the Sun and the second-smallest planet in the Solar System, being only larger than Mercury. In English, Mars carries the name of the Roman god of war and is often referred to as the "Red Planet". The latter refers to the effect of the iron oxide prevalent on Mars' surface, which gives it a reddish appearance distinctive among the astronomical bodies visible to the naked eye. Mars is a terrestrial planet with a thin atmosphere, with surface features reminiscent of the impact craters of the Moon and the valleys, deserts and polar ice caps of Earth.

Mercuryni

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Mercury

has facts

Eccentricity^{dp} "0.20563593"^^double

Semimajor Axis^{dp} "0.38709927"^^double

Longitude of the ascending node dp "48.33076593"^^double

Inclination^{dp} "7.00497902"^^double

Argument of Periapsis^{dp} "77.45779628"^^double

Has Orbit Center op Sun

Mercury is the smallest and innermost planet in the Solar System. Its orbit around the Sun takes 87.97 days, the shortest of all the planets in the Solar System. It is named after the Roman deity Mercury, the messenger of the gods.

Methoneⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Methone

Moon orbiting around Saturn

belongs to

Astronomical Object^C
Natural Satellite^C

Satellite^c

has facts

Name^{dp} "Methone"^^string
Has Orbit Center^{op} Saturn

Metisⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Metis

Moon orbiting around Jupiter

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name^{dp} "Metis"^^string
Has Orbit Center^{op} Jupiter

Mimasⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Mimas

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c

<u>Satellite</u>^c

has facts

Name^{dp} "Mimas"^^string
Has Orbit Center^{op} Saturn

Mirandaⁿⁱ

back to <u>ToC</u> or <u>Named Individual T</u>oC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#Miranda

Moon orbiting around Uranus

belongs to

Astronomical Object[©] Natural Satellite^c Satellite^c

has facts

Name dp "Miranda" ^^string Has Orbit Center op Uranus

Moonni

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#Moon

Moon orbiting around Earth

has facts

is smaller than op earth Has Orbit Centerop earth

Neptuneⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-trackingontology#Neptune

belongs to

Astronomical Object^C Satellite^c

has facts

Eccentricity^{dp} "0.00859048"^^double Inclination^{dp} "1.77004347"^^double

Longitude of the ascending node^{dp} "131.7842257"^^double

Semimajor Axis^{dp} "30.06992276"^^double

Argument of Periapsis dp "44.96476227" \^double

Has Orbit Center op Sun

Neptune is the eighth and farthest-known planet from the Sun in the Solar System. In the Solar System, it is the fourth-largest planet by diameter, the third-most-massive planet, and the densest giant planet. Neptune is 17 times the mass of Earth, slightly more massive than its near-twin Uranus. Neptune is denser and physically smaller than Uranus because its greater mass causes more gravitational compression of its atmosphere. Neptune orbits the Sun once every 164.8 years at an average distance of 30.1 AU (4.5 billion km; 2.8 billion mi). It is named after the Roman god of the sea and has the astronomical symbol Ψ , a stylised version of the god Neptune's trident.

Nereidⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Nereid

Moon orbiting around Neptune

belongs to

<u>Astronomical Object</u>^c

Natural Satellite^C

Satellite^C

has facts

Namedp "Nereid"^^string

Has Orbit Center op Neptune

Oberonⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Oberon

Moon orbiting around Uranus

belongs to

Astronomical Object^c

Natural Satellite^C

Satellite^c

has facts

Namedp "Oberon"^^string

Has Orbit Center Op Uranus

Palleneⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Pallene

Moon orbiting around Saturn

belongs to

Astronomical Object[©]

Natural Satellite^C

Satellite^c

has facts

Name dp "Pallene" * string

Has Orbit Center op Saturn

Panni

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Pan

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c

<u>Satellite</u>^c

has facts

Name^{dp} "Pan"^^string
Has Orbit Center^{op} Saturn

Pandoraⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Pandora

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name dp "Pandora"^\string

Has Orbit Center op Saturn

Phobosⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Phobos

Moon orbiting around Mars

belongs to

<u>Astronomical Object</u>^c

Natural Satellite^C

Satellite^C

has facts

Name dp "Phobos" ^^ string

Has Orbit Center op Mars

Phoebeⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Phoebe

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c

Satellite^c

has facts

Name^{dp} "Phoebe"^^string Has Orbit Center^{op} Saturn

Polyduceⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Polyduce

Moon orbiting around Saturn

belongs to

Astronomical Object^c

Natural Satellite^c

Satellite^c

has facts

Namedp "Polyduce"^^string

Has Orbit Center op Saturn

Prometheusⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Prometheus

Moon orbiting around Saturn

belongs to

Astronomical Object^C

Natural Satellite^C

Satellite^c

has facts

Name dp "Prometheus" ^^string

Has Orbit Center op Saturn

Rheani

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Rhea

Moon orbiting around Saturn

belongs to

<u>Astronomical Object</u>^c

Natural Satellite^C

Satellite^c

has facts

Name^{dp} "Rhea"^^string
Has Orbit Center^{op} Saturn

Saturnⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Saturn

belongs to

Astronomical Object^c

Satellite^C

has facts

Eccentricity^{dp} "0.05386179"^^double

Longitude of the ascending node 113.6624245" \^double

Inclination^{dp} "2.48599187"^^double

Semimajor Axis^{dp} "9.53667594"^^double

Argument of Periapsis dp "92.59887831" Adouble

Has Orbit Centerop Sun

Saturn is the sixth planet from the Sun and the second-largest in the Solar System, after Jupiter. It is a gas giant with an average radius of about nine times that of Earth. It only has one-eighth the average density of Earth; however, with its larger volume, Saturn is over 95 times more massive. Saturn is named after the Roman god of wealth and agriculture; its astronomical symbol (ħ) represents the god's sickle.

Second Planetⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Second Planet

Second Slot of the Ordered List of Solar System Planet

has facts

index^{dp} "2"^^integer

previous^{op} First Planet

ordered list^{op} Solar System Planet

next^{op} Third Planet

item^{op} Venus

Solar System Planetⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Solar System Planets

Ordered List of planets in the Solar System

belongs to

ordered list^c

has facts

length^{dp} "8"^^integer

Sunni

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Sun

belongs to

Star^c

has facts

is bigger than op earth

The Sun is the star at the center of the Solar System. It is a nearly perfect sphere of hot plasma, with internal convective motion that generates a magnetic field via a dynamo process.[20] It is by far the most important source of energy for life on Earth. Its diameter is about 1.39 million kilometers (864,000 miles), or 109 times that of Earth, and its mass is about 330,000 times that of Earth. It accounts for about 99.86% of the total mass of the Solar System.Roughly three quarters of the Sun's mass consists of hydrogen (~73%); the rest is mostly helium (~25%), with much smaller quantities of heavier elements, including oxygen, carbon, neon, and iron.

Telestoⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Telesto

Moon orbiting around Saturn

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name^{dp} "Telesto"^^string
Has Orbit Center^{op} Saturn

Tethisⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Tethis

Moon orbiting around Saturn

belongs to

```
Astronomical Object<sup>c</sup>

Natural Satellite<sup>c</sup>

Satellite<sup>c</sup>
```

has facts

Name^{dp} "Tethis"^^string
Has Orbit Center^{op} Saturn

Thebeⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Thebe

Moon orbiting around Jupiter

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name^{dp} "Thebe"^^string
Has Orbit Center^{op} Jupiter

Third Planetⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Third_Planet

has facts

index^{dp} "3"^^integer item^{op} earth previous^{op} Second Planet ordered list^{op} Solar System Planet

Titanni

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Titan

Moon orbiting around Saturn

belongs to

Astronomical Object^c

Natural Satellite^c

Satellite^c

has facts

Name^{dp} "Titan"^^string Has Orbit Center^{op} Saturn

Titaniaⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Titania

Moon orbiting around Uranus

belongs to

Astronomical Object^C
Natural Satellite^C
Satellite^C

has facts

Name^{dp} "Titania"^^string
Has Orbit Center^{op} Uranus

Tritonⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Triton

Moon orbiting around Neptune

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name^{dp} "Triton"^^string
Has Orbit Center^{op} Neptune

Umbrielⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Umbriel

Moon orbiting around Uranus

belongs to

Astronomical Object^c
Natural Satellite^c
Satellite^c

has facts

Name^{dp} "Umbriel"^^string
Has Orbit Center^{op} Uranus

Uranusⁿⁱ

back to <u>ToC</u> or <u>Named Individual ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Uranus

belongs to

Astronomical Object^c
Satellite^c

has facts

Eccentricity^{dp} "0.04725744"^^double Inclination^{dp} "0.77263783"^^double

Argument of Periapsis^{dp} "170.9542763"^^double

Semimajor Axis^{dp} "19.18916464"^^double

Longitude of the ascending node ^{dp} "74.01692503"^^double

Has Orbit Center op Sun

Uranus is the seventh planet from the Sun. The name "Uranus" is a reference to the Greek god of the sky, Uranus. According to Greek mythology, Uranus was the grandfather of Zeus (Jupiter) and father of Cronus (Saturn). It has the third-largest planetary radius and fourth-largest planetary mass in the Solar System. Uranus is similar in composition to Neptune, and both have bulk chemical compositions which differ from that of the larger gas giants Jupiter and Saturn. For this reason, scientists often classify Uranus and Neptune as "ice giants" to distinguish them from the gas giants.

Venusⁿⁱ

back to ToC or Named Individual ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#Venus

has facts

Eccentricity^{dp} "0.00677672"^^double

Semimajor Axis^{dp} "0.72333566"^^double

<u>Argument of Periapsis</u>^{dp} "131.6024672"^^<u>double</u>

Inclination dp "3.39467605"^^double

<u>Longitude of the ascending node</u>^{dp} "76.67984255"^^double

Has Orbit Center op Sun

Venus is the second planet from the Sun. It is named after the Roman goddess of love and beauty. As the second-brightest natural object in the night sky after the Moon, Venus can cast shadows and can be, on rare occasion, visible to the naked eye in broad daylight.

Annotation Properties

<u>Creator Date Date Date description desctiption has version isissued modified note Physics Symbol preferred name space prefix preferred name space u r i Wikidata Code Wikipeda Title</u>

Creatorap

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/elements/1.1/creator

is defined by

http://purl.org/dc/elements/1.1/

An entity primarily responsible for making the resource.

Dateap

back to <u>ToC</u> or <u>Annotation Property ToC</u>

IRI: http://purl.org/dc/elements/1.1/date

is defined by

http://purl.org/dc/elements/1.1/

A point or period of time associated with an event in the lifecycle of the resource.

Dateap

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/elements/1.1/description

is defined by

http://purl.org/dc/elements/1.1/

A point or period of time associated with an event in the lifecycle of the resource.

Dateap

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/elements/1.1/title

is defined by

http://purl.org/dc/elements/1.1/

A point or period of time associated with an event in the lifecycle of the resource.

description^{ap}

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/terms/description

desctiptionap

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/elements/1.1/desctiption

has version^{ap}

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/terms/hasVersion

isissued^{ap}

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/terms/isissued

modified^{ap}

back to ToC or Annotation Property ToC

IRI: http://purl.org/dc/terms/modified

noteap

back to ToC or Annotation Property ToC

IRI: http://www.w3.org/2004/02/skos/core#note

Physics Symbol^{ap}

back to ToC or Annotation Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#physicsSymbol

Identifies the character used in a physics formula (typically a greek letter)

preferred name space prefixap

back to ToC or Annotation Property ToC

IRI: http://purl.org/vocab/vann#preferredNameSpacePrefix

preferred name space u r iap

back to ToC or Annotation Property ToC

IRI: http://purl.org/vocab/vann#preferredNameSpaceURI

Wikidata Codeap

back to ToC or Annotation Property ToC

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#wikidataCode

Identifies the wikidata page code (useful for the API)

Wikipeda Titleap

back to <u>ToC</u> or <u>Annotation Property ToC</u>

IRI: http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#wikipediaTitle

Identifies the wikipedia page title (useful for the API)

General Axioms

All Disjoint Classes

back to ToC

<u>Aerocentric</u>^c, <u>Geocentric</u>^c, <u>Heliocentric</u>^c, <u>Lunar</u>^c

All Disjoint Classes

back to ToC

Asteroid^c, Comet^c, Dwarf Planet^c, Natural Satellite^c, Planet^c, Star^c

All Disjoint Classes

back to <u>ToC</u>

Black Hole^c, Pulsar^c, White Dwarf^c, Yellow Dwarf^c

Namespace Declarations

back to ToC

default namespace

http://www.semanticweb.org/daniele/ontologies/2020/4/space-tracking-ontology#

4

http://www.semanticweb.org/daniele/ontologies/2020/4/

dc

http://purl.org/dc/elements/1.1/

owl

http://www.w3.org/2002/07/owl#

rdf

http://www.w3.org/1999/02/22-rdf-syntax-ns#

rdfs

http://www.w3.org/2000/01/rdf-schema#

skos

http://www.w3.org/2004/02/skos/core#

space-tracking-ontology

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This HTML document was obtained by processing the OWL ontology source code through <u>LODE</u>, *Live OWL Documentation Environment*, developed by <u>Silvio Peroni</u>.