just so we know what types of argument is being pass, what is being returned, whether it is private/public so we can test it more efficiently.

Acceleration

- MPS2_PER_KMPS2 : double
- MPS2_PER_FPS2 : double
- MPS2_PER_KYPS2 : double
- MPS2_PER_DMPS2 : double
- MPS2_PER_MIPS2 : double
- MPS2_PER_NMPS2 : double
- KMPS2_PER_MPS2 : double
- FPS2_PER_MPS2 : double
- KYPS2_PER_MPS2 : double
- DMPS2_PER_MPS2 : double
- MIPS2_PER_MPS2 : double
- NMPS2_PER_MPS2 : double
- Acceleration()
- Acceleration(GenericScalar<Acceleration>)
- Acceleration(Acceleration)
- setInMetersPerSecondPerSecond(double) : Acceleration
- setInKilometersPerSecondPerSecond(double) : Acceleration
- setInFeetPerSecondPerSecond(double) : Acceleration
- setInKiloyardsPerSecondPerSecond(double) : Acceleration
- setInDataMilesPerSecondPerSecond(double) : Acceleration
- setInStatuteMilesPerSecondPerSecond(double) : Acceleration
- setInNauticalMilesPerSecondPerSecond(double) : Acceleration
- getInMetersPerSecondPerSecond() : double
- getInKilometersPerSecondPerSecond() : double
- getInFeetPerSecondPerSecond() : double
- getInKiloyardsPerSecondPerSecond() : double
- getInDataMilesPerSecondPerSecond() : double
- getInStatuteMilesPerSecondPerSecond() : double
- getInNauticalMilesPerSecondPerSecond() : double
- getMPS2_PER_KMPS2() : double
- getMPS2_PER_FPS2() : double
- getMPS2_PER_KYPS2() : double
- getMPS2_PER_DMPS2() : double
- getMPS2_PER_MIPS2() : double
- getMPS2_PER_NMPS2() : double
- getKMPS2_PER_MPS2() : double
- getFPS2_PER_MPS2() : double
- getKYPS2_PER_MPS2() : double
- getDMPS2_PER_MPS2() : double
- getMIPS2_PER_MPS2() : double
- getNMPS2_PER_MPS2() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Acceleration>) : Acceleration
- getScalarName() : String
- zero() : Acceleration

AccelerationFlux

- AccelerationFlux()
- AccelerationFlux(GenericScalar<AccelerationFlux>)
- setInMetersCubedPerSecondPerSecond(double) : AccelerationFlux
- getInMetersCubedPerSecondPerSecond() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<AccelerationFlux>) : AccelerationFlux
- getScalarName() : String
- zero() : AccelerationFlux

AccelerationVector

- AccelerationVector()
- AccelerationVector(GenericVector<Acceleration, AccelerationVector>)
- AccelerationVector(GenericVector<Acceleration, AccelerationVector>, BaseCartesianCoordinateSystem3D)
- AccelerationVector(Acceleration, Acceleration, Acceleration, BaseCartesianCoordinateSystem3D)
- VectorTypeConstructorSurrogate(GenericVector<Acceleration, AccelerationVector>) : AccelerationVector
- getVectorName() : String

AngularAcceleration

- RPS2_PER_DPS2 : double
- DPS2_PER_RPS2 : double
- AngularAcceleration()
- AngularAcceleration(GenericScalar<AngularAcceleration>)
- AngularAcceleration(AngularAcceleration)
- setInRadiansPerSecondPerSecond(double) : AngularAcceleration
- setInDegreesPerSecondPerSecond(double) : AngularAcceleration
- getInRadiansPerSecondPerSecond() : double
- getInDegreesPerSecondPerSecond() : double
- getRPS2_PER_DPS2() : double
- getDPS2_PER_RPS2() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<AngularAcceleration>) : AngularAcceleration
- getScalarName() : String
- zero() : AngularAcceleration

AngularLength

- RADIANS_PER_REVOLUTION : double
- RADIANS_PER_DEGREE : double
- DEGREES_PER_MINUTE : double
- MINUTES_PER_SECOND : double
- RADIANS_PER_HOUR : double
- HOURS_PER_MINUTE : double
- REVOLUTIONS_PER_RADIAN : double
- DEGREES_PER_RADIAN : double
- MINUTES_PER_DEGREE : double
- SECONDS_PER_MINUTE : double
- HOURS_PER_RADIAN : double
- MINUTES_PER_HOUR : double
- PI : double
- TWO_PI : double
- PI_OVER_TWO : double
- AngularLength()
- AngularLength(GenericScalar<AngularLength>)
- AngularLength(AngularLength)
- setInRadians(double) : AngularLength
- setInRevolutions(double) : AngularLength
- setInDegrees(double) : AngularLength
- setInDMS(int, int, double) : AngularLength
- setInHMS(int, int, double) : AngularLength
- getInRadians() : double
- getInRevolutions() : double
- getInDegrees() : double
- getInDMS(Reference<Integer>, Reference<Integer>, Reference<Double>) : void
- getInHMS(Reference<Integer>, Reference<Integer>, Reference<Double>) : void
- restricted() : AngularLength
- pi() : AngularLength
- twoPi() : AngularLength
- piOverTwo() : AngularLength
- getPI() : double
- getTWO_PI() : double
- getPI_OVER_TWO() : double
- getRADIANS_PER_REVOLUTION() : double
- getRADIANS_PER_DEGREE() : double
- getDEGREES_PER_RADIAN() : double
- getMINUTES_PER_DEGREE() : double
- getSECONDS_PER_MINUTE() : double
- getDEGREES_PER_MINUTE() : double
- getMINUTES_PER_SECOND() : double
- getREVOLUTIONS_PER_RADIAN() : double
- getRADIANS_PER_HOUR() : double
- getHOURS_PER_RADIAN() : double
- getMINUTES_PER_HOUR() : double
- getHOURS_PER_MINUTE() : double
- ScalarTypeConstructorSurrogate(GenericScalar<AngularLength>) : AngularLength
- getDefaultUnits() : String
- getScalarName() : String
- zero() : AngularLength

AngularSpeed

- RADIANS_PER_SECOND_PER_DEGREE_PER_SECOND : double
- RADIANS_PER_SECOND_PER_DEGREE_PER_MINUTE : double
- RADIANS_PER_SECOND_PER_REVOLUTION_PER_MINUTE : double
- DEGREES_PER_SECOND_PER_RADIAN_PER_SECOND : double
- DEGREES_PER_MINUTE_PER_RADIAN_PER_SECOND : double
- REVOLUTIONS_PER_MINUTE_PER_RADIAN_PER_SECOND : double
- AngularSpeed()
- AngularSpeed(GenericScalar<AngularSpeed>)
- AngularSpeed(AngularSpeed)
- setInRadiansPerSecond(double) : AngularSpeed
- setInDegreesPerSecond(double) : AngularSpeed
- setInDegreesPerMinute(double) : AngularSpeed
- setInRevolutionsPerMinute(double) : AngularSpeed
- getInRadiansPerSecond() : double
- getInDegreesPerSecond() : double
- getInDegreesPerMinute() : double
- getInRevolutionsPerMinute() : double
- getRADIANS_PER_SECOND_PER_DEGREE_PER_SECOND() : double
- getRADIANS_PER_SECOND_PER_DEGREE_PER_MINUTE() : double
- getRADIANS_PER_SECOND_PER_REVOLUTION_PER_MINUTE() : double
- getDEGREES_PER_SECOND_PER_RADIAN_PER_SECOND() : double
- getDEGREES_PER_MINUTE_PER_RADIAN_PER_SECOND() : double
- getREVOLUTIONS_PER_MINUTE_PER_RADIAN_PER_SECOND() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<AngularSpeed>) : AngularSpeed
- getScalarName() : String
- zero() : AngularSpeed

AngularVelocityVector

- AngularVelocityVector()
- AngularVelocityVector(GenericVector<AngularSpeed, AngularVelocityVector>)
- AngularVelocityVector(GenericVector<AngularSpeed, AngularVelocityVector>, BaseCartesianCoordinateSystem3D)
- AngularVelocityVector(AngularSpeed, AngularSpeed, AngularSpeed, BaseCartesianCoordinateSystem3D)
- VectorTypeConstructorSurrogate(GenericVector<AngularSpeed, AngularVelocityVector>) : AngularVelocityVector
- getVectorName() : String

Area

- Area()
- Area(GenericScalar<Area>)
- Area(Area)
- setInMetersSquared(double) : Area
- setInCentimetersSquared(double) : Area
- setInKilometersSquared(double) : Area
- setInFeetSquared(double) : Area
- setInYardsSquared(double) : Area
- setInKiloyardsSquared(double) : Area
- setInDataMilesSquared(double) : Area
- setInStatuteMilesSquared(double) : Area
- setInNauticalMilesSquared(double) : Area
- setInAcres(double) : Area
- setInHectares(double) : Area
- getInMetersSquared() : double
- getInCentimetersSquared() : double
- getInKilometersSquared() : double
- getInFeetSquared() : double
- getInYardsSquared() : double
- getInKiloyardsSquared() : double
- getInDataMilesSquared() : double
- getInStatuteMilesSquared() : double
- getInNauticalMilesSquared() : double
- getInAcres() : double
- getInHectares() : double
- getFEET_SQ_PER_ACRE() : double
- getMETERS_SQ_PER_HECTARE() : double
- getMETERS_SQ_PER_CENTIMETER_SQ() : double
- getMETERS_SQ_PER_KILOMETER_SQ() : double
- getMETERS_SQ_PER_FOOT_SQ() : double
- getMETERS_SQ_PER_YARD_SQ() : double
- getMETERS_SQ_PER_KILOYARD_SQ() : double
- getMETERS_SQ_PER_DATA_MILE_SQ() : double
- getMETERS_SQ_PER_STATUTE_MILE_SQ() : double
- getMETERS_SQ_PER_NAUTICAL_MILE_SQ() : double
- getMETERS_SQ_PER_ACRE() : double
- getCENTIMETERS_SQ_PER_METER_SQ() : double
- getKILOMETERS_SQ_PER_METER_SQ() : double
- getFEET_SQ_PER_METER_SQ() : double
- getYARDS_SQ_PER_METER_SQ() : double
- getKILOYARDS_SQ_PER_METER_SQ() : double
- getDATA_MILES_SQ_PER_METER_SQ() : double
- getSTATUTE_MILES_SQ_PER_METER_SQ() : double
- getNAUTICAL_MILES_SQ_PER_METER_SQ() : double
- getACRES_PER_METER_SQ() : double
- getHECTARES_PER_METER_SQ() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Area>) : Area
- getScalarName() : String
- zero() : Area

BaseCartesianCoordinateSystem3D

CoordinateSystem3D

ECRAccelerationVector

- zero : ECRAccelerationVector
- ECRAccelerationVector()
- ECRAccelerationVector(Acceleration, Acceleration, Acceleration)
- ECRAccelerationVector(ECRAccelerationVector)
- ECRAccelerationVector(AccelerationVector)
- getZeroVector() : ECRAccelerationVector
- opAssign(ECRAccelerationVector) : ECRAccelerationVector
- opEq(ECRAccelerationVector) : boolean

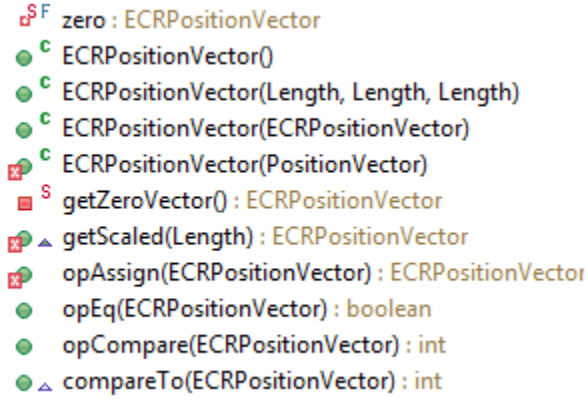
ECRAngularVelocityVector

- zero : ECRAngularVelocityVector
- ECRAngularVelocityVector()
- ECRAngularVelocityVector(AngularSpeed, AngularSpeed, AngularSpeed)
- ECRAngularVelocityVector(ECRAngularVelocityVector)
- ECRAngularVelocityVector(AngularVelocityVector)
- getZeroVector() : ECRAngularVelocityVector

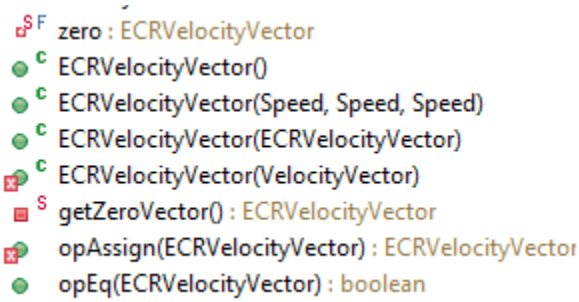
ECRCoords

- oneAndOnly : ECRCoords
- getCoords() : ECRCoords
- ECRCoords(ECRCoords)
- clone() : BaseCartesianCoordinateSystem3D
- convertPositionToECR(PositionVector, Time) : PositionVector
- convertPositionFromECR(PositionVector, Time) : PositionVector
- convertVelocityToECR(VelocityVector, Time, PositionVector) : VelocityVector
- convertVelocityFromECR(VelocityVector, Time, PositionVector) : VelocityVector
- convertAccelerationToECR(AccelerationVector, Time, PositionVector, VelocityVector) : AccelerationVector
- convertAccelerationFromECR(AccelerationVector, Time, PositionVector, VelocityVector) : AccelerationVector
- ECRCoords()
- AccelerationVectorConstructorSurrogate(AccelerationVector) : ECRAccelerationVector
- AngularVelocityVectorConstructorSurrogate(AngularVelocityVector) : ECRAngularVelocityVector
- PositionVectorConstructorSurrogate(PositionVector) : ECRPositionVector
- VelocityVectorConstructorSurrogate(VelocityVector) : ECRVelocityVector
- getCoordinateSystemName() : String

ECRPositionVector



ECRVelocityVector



Frequency

- HERTZ_PER_KILOHERTZ : double
- HERTZ_PER_MEGAHERTZ : double
- HERTZ_PER_GIGAHERTZ : double
- INVERSE_SIDEREAL_SECONDS_PER_HERTZ : double
- HERTZ_PER_INVERSE_SIDEREAL_SECOND : double
- INVERSE_CALENDAR_DAYS_PER_HERTZ : double
- HERTZ_PER_INVERSE_CALENDAR_DAY : double
- INVERSE_MEAN_SOLAR_DAYS_PER_HERTZ : double
- HERTZ_PER_INVERSE_MEAN_SOLAR_DAY : double
- INVERSE_SIDEREAL_DAYS_PER_HERTZ : double
- HERTZ_PER_INVERSE_SIDEREAL_DAY : double
- KILOHERTZ_PER_HERTZ : double
- MEGAHERTZ_PER_HERTZ : double
- GIGAHERTZ_PER_HERTZ : double
- Frequency()
- Frequency(Frequency)
- Frequency(GenericScalar<Frequency>)
- setInHertz(double) : Frequency
- setInKiloHertz(double) : Frequency
- setInMegaHertz(double) : Frequency
- setInGigaHertz(double) : Frequency
- setInInverseSiderealSeconds(double) : Frequency
- setInInverseCalendarDays(double) : Frequency
- setInInverseMeanSolarDays(double) : Frequency
- setInInverseSiderealDays(double) : Frequency
- getInHertz() : double
- getInKiloHertz() : double
- getInMegaHertz() : double
- getInGigaHertz() : double
- getInInverseSiderealSeconds() : double
- getInInverseCalendarDays() : double
- getInInverseMeanSolarDays() : double
- getInInverseSiderealDays() : double
- getHERTZ_PER_KILOHERTZ() : double
- getHERTZ_PER_MEGAHERTZ() : double
- getHERTZ_PER_GIGAHERTZ() : double
- getINVERSE_SIDEREAL_SECONDS_PER_HERTZ() : double
- getHERTZ_PER_INVERSE_SIDEREAL_SECOND() : double
- getINVERSE_CALENDAR_DAYS_PER_HERTZ() : double
- getHERTZ_PER_INVERSE_CALENDAR_DAY() : double
- getINVERSE_MEAN_SOLAR_DAYS_PER_HERTZ() : double
- getHERTZ_PER_INVERSE_MEAN_SOLAR_DAY() : double
- getINVERSE_SIDEREAL_DAYS_PER_HERTZ() : double
- getHERTZ_PER_INVERSE_SIDEREAL_DAY() : double
- getKILOHERTZ_PER_HERTZ() : double
- getMEGAHERTZ_PER_HERTZ() : double
- getGIGAHERTZ_PER_HERTZ() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Frequency>) : Frequency
- getScalarName() : String
- zero() : Frequency

FrequencySquared

- FrequencySquared()
- FrequencySquared(FrequencySquared)
- FrequencySquared(GenericScalar<FrequencySquared>)
- setInHertzSquared(double) : FrequencySquared
- getInHertzSquared() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<FrequencySquared>) : FrequencySquared
- getScalarName() : String
- zero() : FrequencySquared

GenericPoint

- XMLClassName : String
- x1 : Scalar1T
- x2 : Scalar2T
- x3 : Scalar3T
- GenericPoint()
- GenericPoint(GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>)
- GenericPoint(GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>, CoordT)
- opAssign(GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>) : GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>
- opEq(GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>) : boolean
- opNotEq(GenericPoint<Scalar1T, Scalar2T, Scalar3T, CoordT>) : boolean
- toString() : String
- writeObject(byte[], int) : int
- readObject(byte[], int) : int
- GenericPoint(Scalar1T, Scalar2T, Scalar3T, CoordT)
- getX1() : Scalar1T
- getX2() : Scalar2T
- getX3() : Scalar3T
- getX1X2X3(Scalar1T, Scalar2T, Scalar3T) : void
- calculateWriteSize() : int
- fromXMLNode(Node) : boolean
- fromXMLString(String) : boolean
- toXMLString() : String

GenericScalar

- value : double
- setFlag : boolean
- GenericScalar(GenericScalar<ScalarType>)
- opZeroAssign() : ScalarType
- opZero() : ScalarType
- opCopy() : ScalarType
- opAssign(ScalarType) : ScalarType
- opAdd(ScalarType) : ScalarType
- opSub(ScalarType) : ScalarType
- opNeg() : ScalarType
- opNegAssign() : ScalarType
- opAddAssign(ScalarType) : ScalarType
- opSubAssign(ScalarType) : ScalarType
- opMult(double) : ScalarType
- opMultAssign(double) : ScalarType
- opDiv(ScalarType) : double
- opDiv(double) : ScalarType
- opDivAssign(double) : ScalarType
- opEq(ScalarType) : boolean
- opNotEq(ScalarType) : boolean
- opLessEq(ScalarType) : boolean
- opLess(ScalarType) : boolean
- opGreatEq(ScalarType) : boolean
- opGreat(ScalarType) : boolean
- isValueSet() : boolean
- abs() : ScalarType
- absAssign() : ScalarType
- sign() : double
- toString() : String
- toXMLString() : String
- fromXMLString(String) : boolean
- fromXMLNode(Node) : boolean
- magnitude(ScalarType, ScalarType, ScalarType) : ScalarType
- GenericScalar()
- setValue(double) : ScalarType
- getValue() : double
- modifyValue(double) : double
- checkValue(double) : void
- getScalarName() : String
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<ScalarType>) : ScalarType
- writeObject(byte[], int) : int
- readObject(byte[], int) : int
- calculateWriteSize() : int
- compareTo(ScalarType) : int

GenericVector

- x : ScalarT
- y : ScalarT
- z : ScalarT
- GenericVector()
- GenericVector(GenericVector<ScalarT, VectorT>)
- GenericVector(GenericVector<ScalarT, VectorT>, BaseCartesianCoordinateSystem3D)
- opCopy() : VectorT
- opAssign(GenericVector<ScalarT, VectorT>) : VectorT
- magnitude() : ScalarT
- getScaled(ScalarT) : VectorT
- opAdd(GenericVector<ScalarT, VectorT>) : VectorT
- opSub(GenericVector<ScalarT, VectorT>) : VectorT
- opNeg() : VectorT
- opAddAssign(GenericVector<ScalarT, VectorT>) : VectorT
- opSubAssign(GenericVector<ScalarT, VectorT>) : VectorT
- opMult(double) : VectorT
- opMultAssign(double) : VectorT
- opDiv(double) : VectorT
- opDivAssign(double) : VectorT
- opEq(GenericVector<ScalarT, VectorT>) : boolean
- opCompare(GenericVector<ScalarT, VectorT>) : int
- opNotEq(GenericVector<ScalarT, VectorT>) : boolean
- toString() : String
- writeObject(byte[], int) : int
- readObject(byte[], int) : int
- getVectorName() : String
- GenericVector(ScalarT, ScalarT, ScalarT, BaseCartesianCoordinateSystem3D)
- getX() : ScalarT
- getY() : ScalarT
- getZ() : ScalarT
- calculateWriteSize() : int
- VectorTypeConstructorSurrogate(GenericVector<ScalarT, VectorT>) : VectorT
- fromXMLNode(Node) : boolean
- fromXMLString(String) : boolean
- toXMLString() : String
- isValueSet() : boolean

JavaTime

- MJDN_UTC_1_JAN_1970 : int
- MILLISECONDS_PER_SECOND : double
- SECONDS_PER_DAY : double
- time(long) : Time
- time(Date) : Time
- getJavaTime(Time) : long
- getJavaDate(Time) : Date
- JavaTime()
- getMJDN_UTC_1_JAN_1970() : int

Length

- Length()
- Length(Length)
- Length(GenericScalar<Length>)
- setInMeters(double) : Length
- setInCentimeters(double) : Length
- setInMillimeters(double) : Length
- setInMicrons(double) : Length
- setInAngstroms(double) : Length
- setInNanometers(double) : Length
- setInKilometers(double) : Length
- setInFeet(double) : Length
- setInYards(double) : Length
- setInKiloyards(double) : Length
- setInDataMiles(double) : Length
- setInStatuteMiles(double) : Length
- setInNauticalMiles(double) : Length
- getInMeters() : double
- getInCentimeters() : double
- getInMillimeters() : double
- getInMicrons() : double
- getInAngstroms() : double
- getInNanometers() : double
- getInKilometers() : double
- getInFeet() : double
- getInYards() : double
- getInKiloyards() : double
- getInDataMiles() : double
- getInStatuteMiles() : double
- getInNauticalMiles() : double
- getFEET_PER_STATUTE_MILE() : double
- getFEET_PER_DATA_MILE() : double
- getMETERS_PER_NAUTICAL_MILE() : double
- getMETERS_PER_FOOT() : double
- getMETERS_PER_KILOMETER() : double
- getDECIMETERS_PER_METER() : double
- getCENTIMETERS_PER_METER() : double
- getMILLIMETERS_PER_METER() : double
- getMICRONS_PER_METER() : double
- getANGSTROMS_PER_METER() : double
- getNANOMETERS_PER_METER() : double
- getFEET_PER_YARD() : double
- getYARDS_PER_KILOYARD() : double
- getMETERS_PER_YARD() : double
- getMETERS_PER_STATUTE_MILE() : double
- getMETERS_PER_DATA_MILE() : double
- getMETERS_PER_KILOYARD() : double
- getFEET_PER_METER() : double
- getYARDS_PER_METER() : double
- getKILOMETERS_PER_METER() : double
- getMETERS_PER_DECIMETER() : double
- getMETERS_PER_CENTIMETER() : double
- getMETERS_PER_MILLIMETER() : double
- getMETERS_PER_MICRON() : double
- getMETERS_PER_ANGSTROM() : double
- getMETERS_PER_NANOMETER() : double
- getKILOYARDS_PER_METER() : double
- getDATA_MILES_PER_METER() : double
- getSTATUTE_MILES_PER_METER() : double
- getNAUTICAL_MILES_PER_METER() : double
- ScalarTypeConstructorSurrogate(GenericScalar<Length>) : Length
- getScalarName() : String
- getDefaultUnits() : String
- zero() : Length

Mass

- POUNDSMASS_PER_KILOGRAM : double
- GRAMS_PER_KILOGRAM : double
- METRIC_TONS_PER_KILOGRAM : double
- KILOGRAMS_PER_POUNDMASS : double
- KILOGRAMS_PER_GRAM : double
- KILOGRAMS_PER_METRIC_TON : double
- Mass()
- Mass(Mass)
- Mass(GenericScalar<Mass>)
- setInPoundsMass(double) : Mass
- setInKilograms(double) : Mass
- setInGrams(double) : Mass
- setInMetricTons(double) : Mass
- getInPoundsMass() : double
- getInKilograms() : double
- getInGrams() : double
- getInMetricTons() : double
- getPOUNDSMASS_PER_KILOGRAM() : double
- getGRAMS_PER_KILOGRAM() : double
- getMETRIC_TONS_PER_KILOGRAM() : double
- getKILOGRAMS_PER_POUNDMASS() : double
- getKILOGRAMS_PER_GRAM() : double
- getKILOGRAMS_PER_METRIC_TON() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Mass>) : Mass
- getScalarName() : String
- zero() : Mass

Month

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December
- value : int
- Month(int)
- getMonthNumber() : int
- getMonthByNumber(int) : Month
- opEq(Month) : boolean
- opNotEq(Month) : boolean
- opLess(Month) : boolean
- opLessEq(Month) : boolean
- opGreat(Month) : boolean
- opGreatEq(Month) : boolean
- opIncr() : Month
- opDecr() : Month

NonBaseCoordinateSystem3D

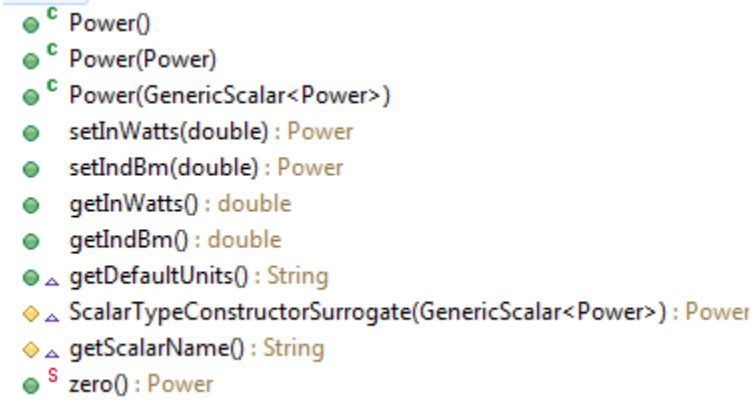
Point

- coords : CoordT
- getCoordinateSystem() : CoordT
- getBaseCartesianCoordinateSystem() : BaseCartesianCoordinateSystem3D
- isCoordinateSystemSet() : boolean
- setCoordinateSystem(CoordT) : void
- Point(CoordT)
- Point()
- Point(Point<CoordT>)

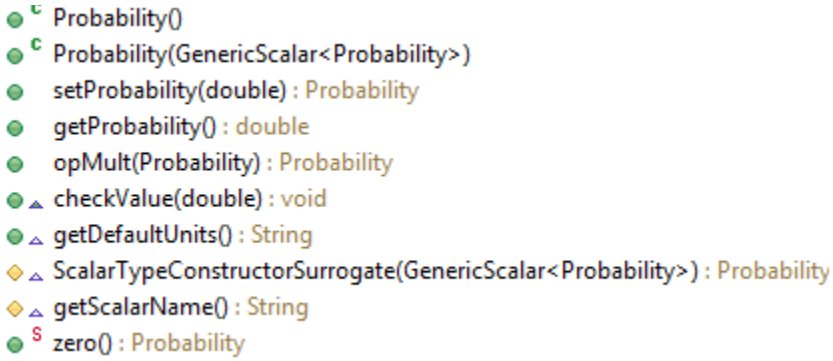
PositionVector

- PositionVector()
- PositionVector(GenericVector<Length, PositionVector>)
- PositionVector(GenericVector<Length, PositionVector>, BaseCartesianCoordinateSystem3D)
- PositionVector(Length, Length, Length, BaseCartesianCoordinateSystem3D)
- VectorTypeConstructorSurrogate(GenericVector<Length, PositionVector>) : PositionVector
- getVectorName() : String

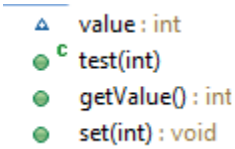
Power



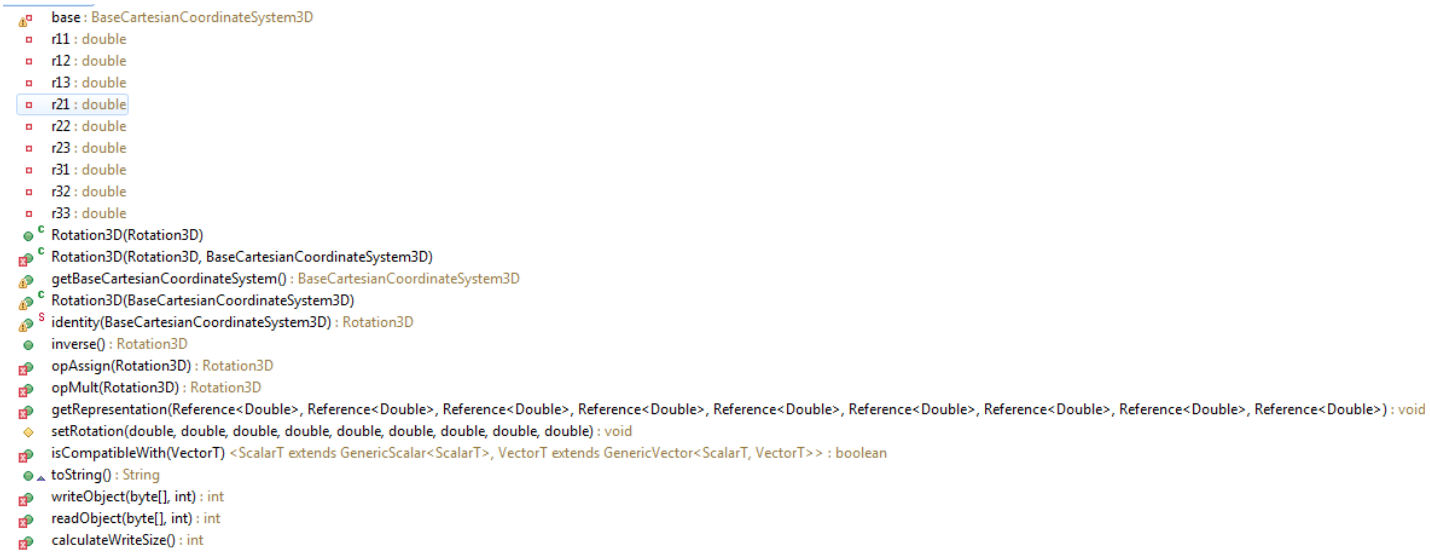
Probability



Reference



Rotation3D



ScalarMath

- minimumAngularDistance(AngularLength, AngularLength) : AngularLength
- isAngleInRange(AngularLength, AngularLength, AngularLength, boolean) : boolean
- cos(AngularLength) : double
- sin(AngularLength) : double
- tan(AngularLength) : double
- acos(double) : AngularLength
- asin(double) : AngularLength
- atan(double) : AngularLength
- atan2(Length, Length) : AngularLength
- sqrt(Area) : Length
- sqrt(TimeLengthSquared) : TimeLength
- sqrt(FrequencySquared) : Frequency
- opMult(Probability, ScalarT) <ScalarT extends GenericScalar<ScalarT>> : ScalarT
- opMult(ScalarT, Probability) <ScalarT extends GenericScalar<ScalarT>> : ScalarT
- opMult(AngularLength, Length) : Length
- opMult(Length, AngularLength) : Length
- opMult(Length, Frequency) : Speed
- opMult(Frequency, Length) : Speed
- opMult(Length, AngularSpeed) : Speed
- opMult(AngularSpeed, Length) : Speed
- opMult(AngularLength, Frequency) : AngularSpeed
- opMult(Frequency, AngularLength) : AngularSpeed
- opMult(TimeLength, Frequency) : double
- opMult(Frequency, TimeLength) : double
- opMult(Speed, TimeLength) : Length
- opMult(TimeLength, Speed) : Length
- opMult(AngularSpeed, TimeLength) : AngularLength
- opMult(TimeLength, AngularSpeed) : AngularLength
- opMult(Length, FrequencySquared) : Acceleration
- opMult(FrequencySquared, Length) : Acceleration
- opMult(Acceleration, TimeLengthSquared) : Length
- opMult(TimeLengthSquared, Acceleration) : Length
- opMult(Acceleration, TimeLength) : Speed
- opMult(TimeLength, Acceleration) : Speed
- opMult(Speed, Frequency) : Acceleration
- opMult(Frequency, Speed) : Acceleration
- opMult(Speed, AngularSpeed) : Acceleration
- opMult(AngularSpeed, Speed) : Acceleration
- opMult(Frequency, Frequency) : FrequencySquared
- opMult(FrequencySquared, TimeLength) : Frequency
- opMult(TimeLength, FrequencySquared) : Frequency
- opMult(FrequencySquared, TimeLengthSquared) : double
- opMult(TimeLengthSquared, FrequencySquared) : double
- opMult(TimeLength, TimeLength) : TimeLengthSquared
- opMult(TimeLengthSquared, Frequency) : TimeLength
- opMult(Frequency, TimeLengthSquared) : TimeLength
- opMult(Length, Length) : Area
- opMult(AngularLength, Area) : Area
- opMult(Area, AngularLength) : Area
- opMult(AngularAcceleration, TimeLength) : AngularSpeed
- opMult(TimeLength, AngularAcceleration) : AngularSpeed
- opMult(AngularSpeed, Frequency) : AngularAcceleration
- opMult(Frequency, AngularSpeed) : AngularAcceleration
- opMult(AngularLength, FrequencySquared) : AngularAcceleration
- opMult(FrequencySquared, AngularLength) : AngularAcceleration
- opMult(AngularAcceleration, TimeLengthSquared) : AngularLength
- opMult(TimeLengthSquared, AngularAcceleration) : AngularLength
- opMult(Volume, FrequencySquared) : AccelerationFlux
- opMult(FrequencySquared, Volume) : AccelerationFlux
- opMult(Area, Acceleration) : AccelerationFlux
- opMult(Acceleration, Area) : AccelerationFlux
- opMult(AccelerationFlux, TimeLengthSquared) : Volume
- opMult(TimeLengthSquared, AccelerationFlux) : Volume
- opMult(Length, Area) : Volume
- opMult(Area, Length) : Volume
- opDiv(double, TimeLength) : Frequency
- opDiv(double, Frequency) : TimeLength
- opDiv(Length, TimeLength) : Speed
- opDiv(Length, Speed) : TimeLength
- opDiv(AngularLength, TimeLength) : AngularSpeed
- opDiv(Speed, Length) : Frequency
- opDiv(Speed, Frequency) : Length
- opDiv(AngularSpeed, AngularLength) : Frequency
- opDiv(AngularSpeed, Frequency) : AngularLength
- opDiv(Acceleration, Length) : FrequencySquared
- opDiv(Acceleration, FrequencySquared) : Length
- opDiv(Length, TimeLengthSquared) : Acceleration
- opDiv(Speed, TimeLength) : Acceleration
- opDiv(Acceleration, Speed) : Frequency
- opDiv(Acceleration, Frequency) : Speed
- opDiv(Frequency, TimeLength) : FrequencySquared
- opDiv(FrequencySquared, Frequency) : Frequency
- opDiv(TimeLength, Frequency) : TimeLengthSquared
- opDiv(TimeLengthSquared, TimeLength) : TimeLength
- opDiv(Area, Length) : Length
- opDiv(AngularSpeed, TimeLength) : AngularAcceleration
- opDiv(AngularLength, TimeLengthSquared) : AngularAcceleration
- opDiv(AngularAcceleration, Frequency) : AngularSpeed
- opDiv(AngularAcceleration, FrequencySquared) : AngularLength
- opDiv(Volume, TimeLengthSquared) : AccelerationFlux
- opDiv(AccelerationFlux, FrequencySquared) : Volume
- opDiv(AccelerationFlux, Area) : Acceleration
- opDiv(AccelerationFlux, Volume) : FrequencySquared
- opDiv(Volume, Length) : Area
- opDiv(Volume, Area) : Length

SingleAxisRotation

SingleAxisRotation(VectorT, AngularLength) <ScalarT extends GenericScalar<ScalarT>, VectorT extends GenericVector<ScalarT, VectorT>>

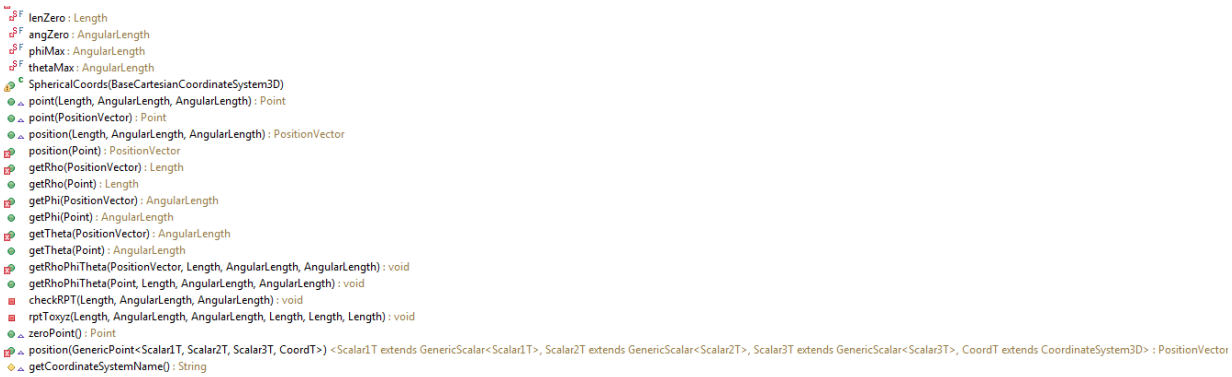
SolidAngle

STERADIANS_PER_FULL_SPHERE : double
FULL_SPHERES_PER_STERADIAN : double
FOUR_PI : double
TWO_PI : double
PI : double
PI_OVER_TWO : double
SolidAngle()
SolidAngle(GenericScalar<SolidAngle>)
setInSteradians(double) : SolidAngle
setInFractionalSpheres(double) : SolidAngle
setBySphericalPolygon(Point[]) : SolidAngle
swap(int[], double[], double[], int, int) : void
contains(PositionVector, PositionVector, PositionVector, AngularLength) : boolean
getInSteradians() : double
getInFractionalSpheres() : double
restricted() : SolidAngle
fourPi() : SolidAngle
twoPi() : SolidAngle
pi() : SolidAngle
piOverTwo() : SolidAngle
getDefaultUnits() : String
getPI() : double
getFOUR_PI() : double
getTWO_PI() : double
getPI_OVER_TWO() : double
getSTERADIANS_PER_FULL_SPHERE() : double
getFULL_SPHERES_PER_STERADIAN() : double
ScalarTypeConstructorSurrogate(GenericScalar<SolidAngle>) : SolidAngle
getScalarName() : String
zero() : SolidAngle

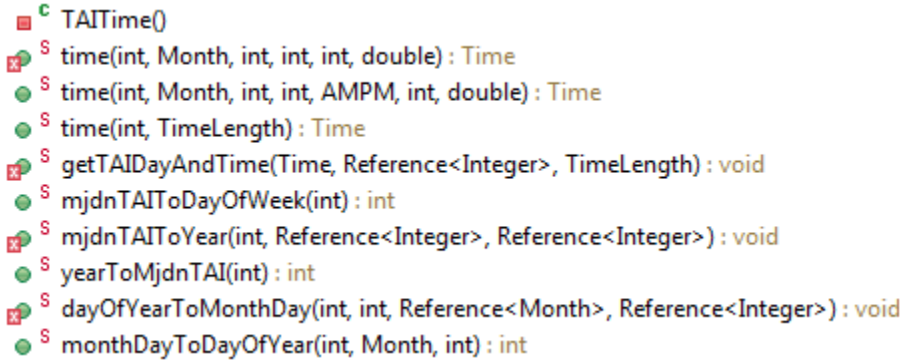
Speed

- METERS_PER_SECOND_PER_FOOT_PER_SECOND : double
- METERS_PER_SECOND_PER_KILOYARD_PER_HOUR : double
- METERS_PER_SECOND_PER_KILOMETER_PER_HOUR : double
- METERS_PER_SECOND_PER_KILOMETER_PER_SECOND : double
- METERS_PER_SECOND_PER_STATUTE_MILE_PER_HOUR : double
- METERS_PER_SECOND_PER_DATA_MILE_PER_HOUR : double
- METERS_PER_SECOND_PER_DATA_MILE_PER_SECOND : double
- METERS_PER_SECOND_PER_KNOT : double
- METERS_PER_SECOND_PER_C : double
- FEET_PER_SECOND_PER_METER_PER_SECOND : double
- KILOYARDS_PER_HOUR_PER_METER_PER_SECOND : double
- KILOMETERS_PER_HOUR_PER_METER_PER_SECOND : double
- KILOMETERS_PER_SECOND_PER_METER_PER_SECOND : double
- STATUTE_MILES_PER_HOUR_PER_METER_PER_SECOND : double
- DATA_MILES_PER_HOUR_PER_METER_PER_SECOND : double
- DATA_MILES_PER_SECOND_PER_METER_PER_SECOND : double
- KNOTS_PER_METER_PER_SECOND : double
- CS_PER_METER_PER_SECOND : double
- Speed()
- Speed(GenericScalar<Speed>)
- Speed(Speed)
- speedOfLightInAVacuum() : Speed
- setInMetersPerSecond(double) : Speed
- setInKilometersPerHour(double) : Speed
- setInKilometersPerSecond(double) : Speed
- setInFeetPerSecond(double) : Speed
- setInKiloyardsPerHour(double) : Speed
- setInDataMilesPerHour(double) : Speed
- setInDataMilesPerSecond(double) : Speed
- setInStatuteMilesPerHour(double) : Speed
- setInKnots(double) : Speed
- setInFractionOfc(double) : Speed
- getInMetersPerSecond() : double
- getInKilometersPerHour() : double
- getInKilometersPerSecond() : double
- getInFeetPerSecond() : double
- getInKiloyardsPerHour() : double
- getInDataMilesPerHour() : double
- getInDataMilesPerSecond() : double
- getInStatuteMilesPerHour() : double
- getInKnots() : double
- getInFractionOfc() : double
- getMETERS_PER_SECOND_PER_FOOT_PER_SECOND() : double
- getMETERS_PER_SECOND_PER_KILOYARD_PER_HOUR() : double
- getMETERS_PER_SECOND_PER_KILOMETER_PER_HOUR() : double
- getMETERS_PER_SECOND_PER_KILOMETER_PER_SECOND() : double
- getMETERS_PER_SECOND_PER_STATUTE_MILE_PER_HOUR() : double
- getMETERS_PER_SECOND_PER_DATA_MILE_PER_HOUR() : double
- getMETERS_PER_SECOND_PER_DATA_MILE_PER_SECOND() : double
- getMETERS_PER_SECOND_PER_KNOT() : double
- getMETERS_PER_SECOND_PER_C() : double
- getFEET_PER_SECOND_PER_METER_PER_SECOND() : double
- getKILOYARDS_PER_HOUR_PER_METER_PER_SECOND() : double
- getKILOMETERS_PER_HOUR_PER_METER_PER_SECOND() : double
- getKILOMETERS_PER_SECOND_PER_METER_PER_SECOND() : double
- getSTATUTE_MILES_PER_HOUR_PER_METER_PER_SECOND() : double
- getDATA_MILES_PER_HOUR_PER_METER_PER_SECOND() : double
- getDATA_MILES_PER_SECOND_PER_METER_PER_SECOND() : double
- getKNOTS_PER_METER_PER_SECOND() : double
- getCS_PER_METER_PER_SECOND() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Speed>) : Speed
- getScalarName() : String
- zero() : Speed
- setInMetersPerSecondStatic(double) : Speed

SphericalCoords



TAITime



Time

- XMLClassName : String
- RotRefTime : Time
- RotRef : AngularLength
- omega : AngularSpeed
- ORIGIN_MODIFIED_JULIAN_DAY_NUMBER_TAI : int
- seconds : long
- fractions : double
- setFlag : boolean
- Time(long, double)
- Time()
- Time(Time)
- opAssign(Time) : Time
- getSeconds() : long
- getFractions() : double
- opLess(Time) : boolean
- opMin(Time) : Time
- opMax(Time) : Time
- opLessEq(Time) : boolean
- opGreat(Time) : boolean
- opGreatEq(Time) : boolean
- opEq(Time) : boolean
- opNotEq(Time) : boolean
- opSub(Time) : TimeLength
- opAdd(TimeLength) : Time
- opAddAssign(TimeLength) : Time
- opSub(TimeLength) : Time
- opSubAssign(TimeLength) : Time
- getMeanGreenwichSiderealTime() : AngularLength
- isSet() : boolean
- getRotationalReferenceAngle() : AngularLength
- getMeanEarthRotationRate() : AngularSpeed
- dummy() : Time
- now() : Time
- toString() : String
- toFormattedString() : String
- fromFormattedString(String) : boolean
- writeObject(byte[], int) : int
- readObject(byte[], int) : int
- getOriginModifiedJulianDayNumberTAI() : int
- calculateWriteSize() : int
- fromXMLNode(Node) : boolean
- fromXMLString(String) : boolean
- toXMLString() : String
- isValueSet() : boolean
- compareTo(Time) : int
- min(Time...) : Time
- max(Time...) : Time

TimeLength

- SI_SECONDS_PER_MEAN_SOLAR_DAY_1999 : double
- SECONDS_PER_MINUTE : double
- SECONDS_PER_HOUR : double
- SI_SECONDS_PER_MEAN_SOLAR_SECOND_1999 : double
- MEAN_SOLAR_SECONDS_PER_SI_SECOND_1999 : double
- SECONDS_PER_MILLISECOND : double
- SECONDS_PER_MICROSECOND : double
- SI_SECONDS_PER_SIDEREAL_SECOND : double
- SI_SECONDS_PER_SIDEREAL_MINUTE : double
- SI_SECONDS_PER_SIDEREAL_HOUR : double
- MILLISECONDS_PER_SECOND : double
- MICROSECONDS_PER_SECOND : double
- SIDEREAL_SECONDS_PER_SI_SECOND : double
- SI_SECONDS_PER_CALENDAR_DAY : double
- CALENDAR_DAYS_PER_SI_SECOND : double
- MEAN_SOLAR_DAYS_PER_SI_SECOND_1999 : double
- SI_SECONDS_PER_SIDEREAL_DAY : double
- SIDEREAL_DAYS_PER_SI_SECOND : double
- SI_SECONDS_PER_JULIAN_CENTURY : double
- JULIAN_CENTURIES_PER_SI_SECOND : double
- TimeLength()
- TimeLength(GenericScalar<TimeLength>)
- TimeLength(TimeLength)
- setInSeconds(double) : TimeLength
- setInMilliSeconds(double) : TimeLength
- setInMicroSeconds(double) : TimeLength
- setInHMS(int, int, double) : TimeLength
- setInSiderealSeconds(double) : TimeLength
- setInSiderealHMS(int, int, double) : TimeLength
- setInCalendarDays(double) : TimeLength
- setInMeanSolarDays(double) : TimeLength
- setInMeanSolarSeconds(double) : TimeLength
- setInSiderealDays(double) : TimeLength
- setInJulianCenturies(double) : TimeLength
- getInSeconds() : double
- getInMilliSeconds() : double
- getInMicroSeconds() : double
- getInHMS(Reference<Integer>, Reference<Integer>, Reference<Double>) : void
- getInSiderealSeconds() : double
- getInSiderealHMS(Reference<Integer>, Reference<Integer>, Reference<Double>) : void
- getInCalendarDays() : double
- getInMeanSolarDays() : double
- getInMeanSolarSeconds() : double
- getInSiderealDays() : double
- getInJulianCenturies() : double
- getMEAN_SOLAR_DAYS_PER_SIDEREAL_DAY() : double
- getSI_SECONDS_PER_MEAN_SOLAR_DAY_1999() : double
- getSECONDS_PER_MINUTE() : double
- getMINUTES_PER_HOUR() : double
- getHOURS_PER_DAY() : double
- getCALENDAR_DAYS_PER_JULIAN_CENTURY() : double
- getSECONDS_PER_HOUR() : double
- getSECONDS_PER_DAY() : double
- getSI_SECONDS_PER_MEAN_SOLAR_SECOND_1999() : double
- getMEAN_SOLAR_SECONDS_PER_SI_SECOND_1999() : double
- getSECONDS_PER_MILLISECOND() : double
- getSECONDS_PER_MICROSECOND() : double
- getSI_SECONDS_PER_SIDEREAL_SECOND() : double
- getSI_SECONDS_PER_SIDEREAL_MINUTE() : double
- getSI_SECONDS_PER_SIDEREAL_HOUR() : double
- getMILLISECONDS_PER_SECOND() : double
- getSIDEREAL_SECONDS_PER_SI_SECOND() : double
- getSI_SECONDS_PER_CALENDAR_DAY() : double
- getCALENDAR_DAYS_PER_SI_SECOND() : double
- getMEAN_SOLAR_DAYS_PER_SI_SECOND_1999() : double
- getSI_SECONDS_PER_SIDEREAL_DAY() : double
- getSIDEREAL_DAYS_PER_SI_SECOND() : double
- getSI_SECONDS_PER_JULIAN_CENTURY() : double
- getJULIAN_CENTURIES_PER_SI_SECOND() : double
- getMICROSECONDS_PER_SECOND() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<TimeLength>) : TimeLength
- getScalarName() : String
- zero() : TimeLength
- setInSecondsStatic(double) : TimeLength

TimeLengthSquared

- SI_SEC_SQ_PER_SIDEREAL_SEC_SQ : double
- SIDEREAL_SEC_SQ_PER_SI_SEC_SQ : double
- TimeLengthSquared()
- TimeLengthSquared(GenericScalar<TimeLengthSquared>)
- TimeLengthSquared(TimeLengthSquared)
- setInSecondsSquared(double) : TimeLengthSquared
- setInSiderealSecondsSquared(double) : TimeLengthSquared
- getInSecondsSquared() : double
- getInSiderealSecondsSquared() : double
- getSI_SEC_SQ_PER_SIDEREAL_SEC_SQ() : double
- getSIDEREAL_SEC_SQ_PER_SI_SEC_SQ() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<TimeLengthSquared>) : TimeLengthSquared
- getScalarName() : String
- zero() : TimeLengthSquared

TimeStandard

- SECONDS_PER_DAY : double
- ORIGIN_MODIFIED_JULIAN_DAY_NUMBER_TAI : int
- MJDN_1_JANUARY_1901 : int
- DAYS_PER_FOUR_YEARS : int
- DAYS_PER_NON_LEAP_YEAR : int
- DAYS_PER_WEEK : int
- LAST_DAY_OF_JANUARY : int
- LAST_DAY_OF_NON_LEAP_FEBRUARY : int
- LAST_DAY_OF_NON_LEAP_MARCH : int
- LAST_DAY_OF_NON_LEAP_APRIL : int
- LAST_DAY_OF_NON_LEAP_MAY : int
- LAST_DAY_OF_NON_LEAP_JUNE : int
- LAST_DAY_OF_NON_LEAP_JULY : int
- LAST_DAY_OF_NON_LEAP_AUGUST : int
- LAST_DAY_OF_NON_LEAP_SEPTEMBER : int
- LAST_DAY_OF_NON_LEAP_OCTOBER : int
- LAST_DAY_OF_NON_LEAP_NOVEMBER : int
- LAST_DAY_OF_NON_LEAP_DECEMBER : int
- AMPM
- TimeStandard()
- time(int, TimeLength) : Time
- getTAIDayAndTime(Time, Reference<Integer>, TimeLength) : void
- mjdnTAIToDayOfWeek(int) : int
- mjdnTAIToYear(int, Reference<Integer>, Reference<Integer>) : void
- yearToMjdnTAI(int) : int
- dayOfYearToMonthDay(int, int, Reference<Month>, Reference<Integer>) : void
- monthDayToDayOfYear(int, Month, int) : int
- getMJDN_1_JANUARY_1901() : int
- getDAYS_PER_FOUR_YEARS() : int
- getDAYS_PER_NON_LEAP_YEAR() : int
- getDAYS_PER_WEEK() : int
- getLAST_DAY_OF_JANUARY() : int
- getLAST_DAY_OF_NON_LEAP_FEBRUARY() : int
- getLAST_DAY_OF_NON_LEAP_MARCH() : int
- getLAST_DAY_OF_NON_LEAP_APRIL() : int
- getLAST_DAY_OF_NON_LEAP_MAY() : int
- getLAST_DAY_OF_NON_LEAP_JUNE() : int
- getLAST_DAY_OF_NON_LEAP_JULY() : int
- getLAST_DAY_OF_NON_LEAP_AUGUST() : int
- getLAST_DAY_OF_NON_LEAP_SEPTEMBER() : int
- getLAST_DAY_OF_NON_LEAP_OCTOBER() : int
- getLAST_DAY_OF_NON_LEAP_NOVEMBER() : int
- getLAST_DAY_OF_NON_LEAP_DECEMBER() : int

UTCTime

- numEntries : int
- MAX_ENTRIES : int
- mjdnIndex : int[]
- offsetTable : TimeLength[]
- noOffset : TimeLength
- {...}
- UTCTime()
- convertToString(Time) : String
- convertToMediumString(Time) : String
- convertToShortString(Time) : String
- convertFromShortString(String, Time) : boolean
- convertFromString(String, Time) : boolean
- time(int, Month, int, int, int, double) : Time
- time(int, Month, int, int, AMPM, int, double) : Time
- time(int, TimeLength) : Time
- getUTCDayAndTime(Time, Reference<Integer>, TimeLength) : void
- getUTCClockTime(Time, Reference<Integer>, Reference<Month>, Reference<Integer>, Reference<Integer>, Reference<Integer>, Reference<Double>) : void
- getYear(Time) : int
- getMonth(Time) : Month
- getDay(Time) : int
- getHour(Time) : int
- getMinute(Time) : int
- getSeconds(Time) : double
- mjdnUTCToDayOfWeek(int) : int
- mjdnUTCToYear(int, Reference<Integer>, Reference<Integer>) : void
- yearToMjdnUTC(int) : int
- dayOfYearToMonthDay(int, int, Reference<Month>, Reference<Integer>) : void
- monthDayToDayOfYear(int, Month, int) : int
- getTAIMinusUTC(int) : TimeLength

Vector

- base : BaseCartesianCoordinateSystem3D
- getBaseCartesianCoordinateSystem() : BaseCartesianCoordinateSystem3D
- isCoordinateSystemSet() : boolean
- setCoordinateSystem(BaseCartesianCoordinateSystem3D) : void
- Vector(BaseCartesianCoordinateSystem3D)
- Vector()
- Vector(Vector)

VectorMath

- angle(Vector1T, Vector2T) <Scalar1T extends GenericScalar<Scalar1T>, Scalar2T extends GenericScalar<Scalar2T>, Vector1T extends GenericVector<Scalar1T, Vector1T>, Vector2T extends GenericVector<Scalar2T, Vector2T>> : AngularLength
- crossProductDirection(Vector1T, Vector2T) <Scalar1T extends GenericScalar<Scalar1T>, Scalar2T extends GenericScalar<Scalar2T>, Vector1T extends GenericVector<Scalar1T, Vector1T>, Vector2T extends GenericVector<Scalar2T, Vector2T>> : PositionVector
- orthogonalDirection(VectorT) <ScalarT extends GenericScalar<ScalarT>, VectorT extends GenericVector<ScalarT, VectorT>> : PositionVector
- opMult(Rotation3D, PositionVector) : PositionVector
- opMult(Rotation3D, VelocityVector) : VelocityVector
- opMult(Rotation3D, AccelerationVector) : AccelerationVector
- opMult(Rotation3D, AngularVelocityVector) : AngularVelocityVector
- opMult(VelocityVector, TimeLength) : PositionVector
- opMult(TimeLength, VelocityVector) : PositionVector
- opMult(PositionVector, Frequency) : VelocityVector
- opMult(Frequency, PositionVector) : VelocityVector
- opMult(AccelerationVector, TimeLength) : VelocityVector
- opMult(TimeLength, AccelerationVector) : VelocityVector
- opMult(AccelerationVector, TimeLengthSquared) : PositionVector
- opMult(TimeLengthSquared, AccelerationVector) : PositionVector
- opMult(PositionVector, FrequencySquared) : AccelerationVector
- opMult(FrequencySquared, PositionVector) : AccelerationVector
- opMult(VelocityVector, Frequency) : AccelerationVector
- opMult(Frequency, VelocityVector) : AccelerationVector
- opMult(AngularVelocityVector, Length) : VelocityVector
- opMult(Length, AngularVelocityVector) : VelocityVector
- opMult(AngularVelocityVector, Speed) : AccelerationVector
- opMult(Speed, AngularVelocityVector) : AccelerationVector
- opDiv(PositionVector, TimeLength) : VelocityVector
- opDiv(VelocityVector, Frequency) : PositionVector
- opDiv(VelocityVector, TimeLength) : AccelerationVector
- opDiv(PositionVector, TimeLengthSquared) : AccelerationVector
- opDiv(AccelerationVector, FrequencySquared) : PositionVector
- opDiv(AccelerationVector, Frequency) : VelocityVector
- dot(PositionVector, PositionVector) : Area
- cross(AngularVelocityVector, PositionVector) : VelocityVector
- cross(PositionVector, AngularVelocityVector) : VelocityVector
- cross(AngularVelocityVector, VelocityVector) : AccelerationVector
- cross(VelocityVector, AngularVelocityVector) : AccelerationVector

VelocityVector

- VelocityVector()
- VelocityVector(GenericVector<Speed, VelocityVector>)
- VelocityVector(GenericVector<Speed, VelocityVector>, BaseCartesianCoordinateSystem3D)
- VelocityVector(Speed, Speed, Speed, BaseCartesianCoordinateSystem3D)
- VectorTypeConstructorSurrogate(GenericVector<Speed, VelocityVector>) : VelocityVector
- getVectorName() : String

Volume

- METERS_CUBED_PER_CENTIMETER_CUBED : double
- METERS_CUBED_PER_LITER : double
- METERS_CUBED_PER_GALLON : double
- METERS_CUBED_PER_FOOT_CUBED : double
- CENTIMETERS_CUBED_PER_METER_CUBED : double
- LITERS_PER_METER_CUBED : double
- GALLONS_PER_METER_CUBED : double
- FEET_CUBED_PER_METER_CUBED : double
- Volume()
- Volume(GenericScalar<Volume>)
- setInMetersCubed(double) : Volume
- setInCubicCentimeters(double) : Volume
- setInLiters(double) : Volume
- setInGallons(double) : Volume
- setInFeetCubed(double) : Volume
- getInMetersCubed() : double
- getInCubicCentimeters() : double
- getInLiters() : double
- getInGallons() : double
- getInFeetCubed() : double
- getMETERS_CUBED_PER_CENTIMETER_CUBED() : double
- getCENTIMETERS_CUBED_PER_METER_CUBED() : double
- getMETERS_CUBED_PER_LITER() : double
- getLITERS_PER_METER_CUBED() : double
- getGALLONS_PER_LITER() : double
- getGALLONS_PER_METER_CUBED() : double
- getMETERS_CUBED_PER_GALLON() : double
- getMETERS_CUBED_PER_FOOT_CUBED() : double
- getFEET_CUBED_PER_METER_CUBED() : double
- getDefaultUnits() : String
- ScalarTypeConstructorSurrogate(GenericScalar<Volume>) : Volume
- getScalarName() : String