

MiscCoordConverterClient

Implemented by: MiscCoord

Declared In: misckit/miscgiskit/MiscCoordConverterClient.h

Protocol Description

This protocol must be implemented by a class that wishes to use the coordinate conversion services. When an object containing coordinate points is passed to a coordinate converter, the converter uses this protocol to get the information necessary to set up the conversion job.

Method Types

Basic conversions + radiansToDegrees:
+ degreesToRadians:
+ toDegreesOnlyDegrees:minutes:seconds:

+ fromDegreesOnly:degrees:minutes:seconds:

Conversion Job description + dimensions

- constants;
- curPtr
- curBlockSize

Class Methods

degreesToRadians:

- (double) **degreesToRadians:**(double)*degrees*

Convert decimal degrees to radians. Returns radians value.

See also: - **radiansToDegrees:**

dimensions

- (unsigned int) **dimensions**

Returns the number of dimensions in a point in this class.

See also: - **degreesToRadians:**

fromDegreesOnlyDegrees:degrees:minutes:seconds:

- (double) **fromDegreesOnlyDegrees:**(double)*decimalDegrees* **degrees:**(double *)*degrees* **minutes:**

(double)minutes seconds:(double*)seconds*

Convert decimal degrees to degrees:minutes:seconds. Returns *decimalDegrees*.

See also: - **toDegreesOnlyDegrees:minutes:seconds:**

radiansToDegrees:

- (double) **radiansToDegrees:(double)radians**

Convert radians to decimal degrees. Returns degrees value.

See also: - **degreesToRadians:**

toDegreesOnlyDegrees:minutes:seconds:

- (double) **toDegreesOnlyDegrees:(double)degrees minutes:(double)minutes seconds:(double)seconds**

Convert degrees:minutes:seconds to decimal degrees. Returns degrees value.

See also: - **fromDegreesOnlyDegrees:degrees:minutes:seconds:**

Instance Methods

constants

- **constants**

Returns the id of an object containing the coordinate conversion constants.

curBlockSize

- (unsigned int) **curBlockSize**

Returns the number of points in the currently selected block of points.

See also: - **curPtr**

curPtr

- (double *) **curPtr**

Return an address pointer to the currently selected block of points.

See also: - **curBlockSize**