

# 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**