Section: Beta Angle Operation

Property

Functions

afx_msg VARIANT	**OSPropertyUI::AssignBetaAngle** (const VARIANT FAR &varnBeamNo, const VARIANT FAR &varfBetaAngle)
	Assign beta angle to beam(s).
afx_msg VARIANT	**OSPropertyUI::GetBetaAngle** (const VARIANT FAR &varnBeamNo)
	Retrieve beta angle of the specified beam member.

Detailed Description

These functions are related to Beta angle commands.

Function Documentation

◆ AssignBetaAngle()

VARIANT OSPropertyUI::AssignBetaAngle (const VARIANT FAR & varnBeamNo,

const VARIANT FAR & varfBetaAngle)

Assign beta angle to beam(s).

Parameters

[in] **varnBeamNo**　The beam number ID(s) of VARIANT array.

[in] **varfBetaAngle** The beta angle in degrees.

Return values

1 OK.

0 General Error

0 1 dimensional array of long expected.

0 Library Error: Unable to assign BETA angle.

Example

```
// Assign beta angle 90.0 to beam #1, 2, 3, 4.
VARIANT RetVal = OSPropertyUI::AssignBetaAngle(varnBeamNo, varfBetaAngle );
```

VBA Syntax

```
' Assign beta angle 90.0 to beam #1, 2, 3, 4.
Sub Main
      Dim objOpenStaad As Object
      Dim stdFile As String

      Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
      objOpenStaad.GetSTAADFile stdFile, "TRUE"
      If stdFile="" Then
          MsgBox"Bad"
          Set objOpenStaad = Nothing
          Exit Sub
      End If

      Dim memb(3) As Long
      memb(0) = 1
      memb(1) = 2
      memb(2) = 3
      memb(3) = 4
      Dim betaangle As Double
      betaangle = 90
      Dim retVal As Variant
      retVal=objOpenStaad.Property.AssignBetaAngle(memb, betaangle)
      Set objOpenStaad = Nothing
   End Sub
```

◆ GetBetaAngle()

VARIANT OSPropertyUI::GetBetaAngle (const VARIANT FAR & varnBeamNo)

Retrieve beta angle of the specified beam member.

Parameters

> [in] **varnBeamNo** The beam number ID.

Return values

> **<Val>** Beta angle.

> **-3001** Cannot find member **varnBeamNo**.

C++ Syntax

```
// Get all properties of beam #11.
VARIANT BetaAngle = OSPropertyUI::GetBetaAngle(11);
```

VBA Syntax

```
' Get all properties of beam #11.
Dim BetaAngle As VARIANT = OSPropertyUI.GetBetaAngle(11)
```