Load Items: Seismic Load

Functions

afx_msg VARIANT	**OSLoadUI::AddSeismicLoad** (const VARIANT FAR &varDirection, const VARIANT FAR &varFactor) Adds a seismic load input direction and factor.
afx_msg VARIANT	**OSLoadUI::IsDynamicLoadIncluded** (long nLoadCase) Checks if dynamic load included in specified load case.

Detailed Description

These functions are related to Seismic load direction and multiplication factors.

Function Documentation

◆ AddSeismicLoad()

VARIANT OSLoadUI::AddSeismicLoad (const VARIANT FAR & varDirection,
const VARIANT FAR & varFactor)

Adds a seismic load input direction and factor.

Parameters

[in] **varDirection** Load direction: (= 0 to 2 for global X, Y and Z, respectively).

[in] **varFactor** Multiplication factor to be used to multiply the seismic load.

Return values

0 OK.

-1 General error.

-8001 Load direction is invalid.

C++ Syntax

```
// Add seismic load in global X direction with factor 1.0
VARIANT RetVal = OSLoadUI::AddSeismicLoad(0, 1.0);
```

VBA Syntax

```
Sub Main
    Dim objOpenStaad As Object
    Set objOpenStaad = GetObject(,"StaadPro.OpenSTAAD")
    ' Add seismic load in global X direction with factor 1.0
    Dim RetVal As Long
    RetVal = objOpenStaad.Load.AddSeismicLoad(0, 1.0)

    Set objOpenStaad = Nothing
End Sub
```

◆ IsDynamicLoadIncluded()

VARIANT OSLoadUI::IsDynamicLoadIncluded (long nLoadCase)

Checks if dynamic load included in specified load case.

Parameters

[in] **nLoadCase** Load case reference ID.

Return values

1 YES.

0 NO.

-1 General error.

C++ Syntax

```
// Check if dynamic load is included in load case #1
VARIANT IsDynLoadIncluded = OSLoadUI::IsDynamicLoadIncluded(1);
```

VBA Syntax

```
' Check if dynamic load is included in load case #1
Dim IsDynLoadIncluded As VARIANT = OSLoadUI.IsDynamicLoadIncluded(1)
```