Load

Topics

Load: Definition

Load: Load Case Details

Load: Load Envelopes

Functions

afx_msg VARIANT	**OSLoadUI::AddRSLoad** (const VARIANT FAR &varType, VARIANT FAR &varFactArray, const VARIANT FAR &varAccOrDis, const VARIANT FAR &varScale, const VARIANT FAR &varDampType, const VARIANT FAR &varDampFact, const VARIANT FAR &varLinOrLog, const VARIANT FAR &varMis, const VARIANT FAR &varMisFact, const VARIANT FAR &varZpa, const VARIANT FAR &varZpaFact, const VARIANT FAR &varFf1, const VARIANT FAR &varFf1Fact, const VARIANT FAR &varFf2, const VARIANT FAR &varFf2Fact, const VARIANT FAR &varSaveFlag, const VARIANT FAR &varPairs, VARIANT FAR &varDispOrAccSet, VARIANT FAR &varVals) Add Response Spectrum Load.
afx_msg VARIANT	**OSLoadUI::SplitLoadsOnBeam** (const VARIANT FAR &varBeamOld, const VARIANT FAR &varBeamNew) Split Load from BeamOld to BeamNew.

Detailed Description

These functions are related to load.

Function Documentation

◆ AddRSLoad()

```
VARIANT OSLoadUI::AddRSLoad ( const VARIANT FAR & varType,
                              VARIANT FAR &       varFactArray,
                              const VARIANT FAR & varAccOrDis,
                              const VARIANT FAR & varScale,
                              const VARIANT FAR & varDampType,
                              const VARIANT FAR & varDampFact,
                              const VARIANT FAR & varLinOrLog,
                              const VARIANT FAR & varMis,
                              const VARIANT FAR & varMisFact,
                              const VARIANT FAR & varZpa,
                              const VARIANT FAR & varZpaFact,
                              const VARIANT FAR & varFf1,
                              const VARIANT FAR & varFf1Fact,
                              const VARIANT FAR & varFf2,
                              const VARIANT FAR & varFf2Fact,
                              const VARIANT FAR & varSaveFlag,
                              const VARIANT FAR & varPairs,
                              VARIANT FAR &       varDispOrAccSet,
                              VARIANT FAR &       varVals )
```

Add Response Spectrum Load.

Parameters

[in] **varType**	Response Spectrum Load type(1=Srss, 2=Cqc, 3=Absolute, 4=Asce, 5=Ten, 6=Csm)(Type: Long/Integer).
[in] **varFactArray**	factor Array.(Type: float Array)
[in] **varAccOrDis**	Acceleration(1) or Displacement(0)(Type: Integer)
[in] **varScale**	Scale(Type: float)
[in] **varDampType**	Damp Type(1=DAMP, 2=CDAMP, 3 = MDAMP)(Type: Integer)
[in] **varDampFact**	Damp Factor(Type: float)
[in] **varLinOrLog**	Interpolation Type Logarithmic(1) or Linear(0)(Type: Integer)
[in] **varMis**	Missing Mass(1 for checked, 0 unchecked)(Type: Integer)
[in] **varMisFact**	Missing Mass Factor(Type: float)
[in] **varZpa**	ZPA(1 for checked, 0 unchecked)(Type: Integer)
[in] **varZpaFact**	ZPA Factor(Type: float)
[in] **varFf1**	Ff1(1 for checked, 0 unchecked)(Type: Integer)
[in] **varFf1Fact**	Ff1 Factor(Type: float)
[in] **varFf2**	Ff2(1 for checked, 0 unchecked)(Type: Integer)
[in] **varFf2Fact**	Ff2 Factor(Type: float)

[in] **varSaveFlag** Save Flag(1 for checked, 0 unchecked)(Type: Integer)

[in] **varPairs** Disp Or Acc Set pair count(Type: Integer)

[in] **varDispOrAccSet** Disp or Acc Array.(Type: float Array)

[in] **varVals** value Array.(Type: float Array)

Return values

1(TRUE) Add Response Spectrum Load8 Successful.

0(FALSE) Generate Error.

◆ SplitLoadsOnBeam()

VARIANT OSLoadUI::SplitLoadsOnBeam (const VARIANT FAR & varBeamOld,
const VARIANT FAR & varBeamNew)

Split Load from BeamOld to BeamNew.

Parameters

[in] **varLoadNo** The Reference Load No(Type: Integer/Long).

Return values

1(TRUE) Successful.

0(FALSE) Generate Error.

VBA Syntax

```
Option Explicit
    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 res As Boolean
        res = objOpenStaad.Load.SplitLoadsOnBeam(10, 11)
        Set objOpenStaad = Nothing
    End Sub
```