Result: Static

Analysis Results

Functions

afx_msg VARIANT   **OSOutputUI::GetStaticCheckResult** (const VARIANT FAR &varLC, VARIANT FAR &varForces, VARIANT FAR &varReactions)
Returns the Statics Check result containing loads and reactions for specified Load Case.

Detailed Description

These functions are related to output static check result.

Function Documentation

◆ GetStaticCheckResult()

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VARIANT OSOutputUI::GetStaticCheckResult (const VARIANT FAR & varLC,

VARIANT FAR &   varForces,

VARIANT FAR &   varReactions)

Returns the Statics Check result containing loads and reactions for specified Load Case.

Parameters

[in] **varLC**   Load Case reference ID.

[out] **varForces**   Loads: [FX, FY, FZ, MX, MY, MZ].

[out] **varReactions** Reactions:[FX, FY, FZ, MX, MY, MZ].

Returns

Boolean (TRUE/FALSE) whether succeeded or not.

VBA Syntax

```vba
'Get Static Check Result.
Sub StaticCheck()
  Dim RetVal As Variant
  Dim Lcase As Long
  Dim sForces(0 To 5) As Double
  Dim sReactions(0 To 5) As Double
  Dim count As Integer

'Launch OpenSTAAD Object
On Error GoTo ErrHandler
  Set objOpenSTAAD = GetObject(, "StaadPro.OpenSTAAD")

'Is Analysis Completed
  Cells(1, 2).Value = objOpenSTAAD.Output.AreResultsAvailable()

'Get Static Check Result
  Lcase = Cells(60, 2).Value
  RetVal = objOpenSTAAD.Output.GetStaticCheckResult(Lcase, sForces, sReactions)
  For count = 1 To 6
  Cells(62, count + 1).Value = sForces(count - 1)
  Next
  For count = 1 To 6
  Cells(63, count + 1).Value = sReactions(count - 1)
  Next

  Set objOpenSTAAD = Nothing
Exit Sub

ErrHandler:
  MsgBox ("Run StaadPro First" & vbCrLf)
Resume Next
End Sub
```

See also

OSOutputUI::GetStaticCheckResults

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