



StressCheck COM API 5.0 Updates (v12.0 Release)

New Functions

The following new functions were introduced with COM API 5.0:

Model.Display.ShowObjectsByRangeString

ObjectDisplayType type

bool active

string range

bool update (default false)

Updated Functions

The following functions were updated with COM API 5.0:

Model.BlankSelection, CancelBlanking, CancelSelection, DeleteSelection, InvertSelection

default type is now opAnyObject

Model.Automeshes.AddAutoMeshSimGlobal has new arguments

bool suppress_slivers (default false)

bool suppress_small_features (default false)

string small_features_str (default "1.0e-04")

bool assembly (default false)

string assembly_str (default "1.0e-05")

Model.Automeshes.AddAutoMeshSimThinSection has new arguments

bool mesh_active (default true)

bool mesh_thinsection_pentahedron (default true)

Model.PointsConstraints.Add & AddAuto

all float arguments changed to double

Updated Objects

The following objects were updated with COM API 5.0:



Constraint

new property: BoundaryConstraintContactOption

Document

removed SkillMode property

new property: Mode

Element

new property: Parent

GLPOINTLOADDEF

all float properties changed to double

Model.Plots

new property: Colormap

Model.Plots.Plot

removed: DoGrayscale property (Colormap property includes Gray enum)

PLOTEXTRACTION

removed: IsGrayscale property (Colormap property includes Gray enum)

PointLoad

all float properties changed to double

New Enums

The following new enums were introduced with COM API 5.0:

BoundaryConstraintContactOption

constContactContact

constContactFused

constContactFree

Colormap

cmTurbo

cmJet

cmJetAlt

cmPlasma

cmViridis

cmRedBlue

cmDesert

cmHot



Colormap (continued)

cmClassic
cmGray

DebugMode

modeNone
modeStandard
modeDebug

Updated Enums

The following enums were updated with COM API 5.0:

AutomeshProperty

new type: apSuppressSlivers

ColorType

new type: colorSolids

MethodType

new types: mtOffsetAuto, mtElementUVW

ObjectDisplayType

new types: odtContactZone, odtLink

SkillMode

removed (replaced by DebugMode)