# StressCheck COM API 5.1 Updates (v12.1 Release)

## New Functions

The following new functions were introduced with COM API 5.1:

Document.**ComputeGammaIndex**
      array(double) gammaNorm

## Updated Functions

The following functions were updated with COM API 5.1:

Model.Automeshes.**AddAutomeshThinSection**
      new property: bool mesh_thinsection_smoothing (default true)

## Updated Objects

The following objects were updated with COM API 5.1:

**Load**
      new property: Normal

Model.**Display**
      new property: SelectionOutline
      new property: ElementEdgeColor
      new property: ElementEdgeTransparency
      new property: UnplottedTransparency
      new property: Silhouette
      new property: SilhouetteSensitivity
      deprecated property: FaceDisplacement

## New Enums

The following new enums were introduced with COM API 5.1:

**ElementEdgeColorType**
    edgeColorBlack
    edgeColorWhite

## Updated Enums

The following enums were updated with COM API 5.1:

**ConstraintValueType**
    new type: cvtFloating

**ControlsType**
    deprecated: ctFaceDisplacement

**DebugMode**
    new type: modeExperimental

**ElasticityFunctions**
    new types: efK3, efGammaNorm

**Function**
    new types: fK3, fGammaNorm

**ObjectDisplayType**
    new types: odtCurve, odtSurface