

# **Eliminate Geometry Simplification**

SimSolid's unique technology totally eliminates geometry simplification and meshing: the two most time-consuming, expertise extensive and error-prone tasks done in traditional structural analysis.

# Analyze Complex and Large **Assemblies**

# Get Results in Seconds to Minutes

## **Key Features**

Linear statics, modal, thermal, coupled thermal-stress, material nonlinear, geometric nonlinear, transient dynamics (time, frequency, and random response)

# **CAD Connectivity**

Reads all common CAD file formats including: CATIA, NX, PTC/Creo, Inventor, Fusion 360, SOLIDWORKS, Onshape, JT, STEP, VDA, Parasolid, ACIS, PLMXML, CGR, STL

### **Supported Connections**

# Result Types

Contour plots with displacements, stress & strains, deformed shape animation, Max/min labels, point probes, XY plots, reaction/contact forces, bolt/nut forces, spot weld forces, frequencies and mode shapes, modal participation factors, safety factors

#### **Boundary Conditions**

#### **Additional Capabilities**

Rigid parts, bolt/nut tightening, modal participation factors

Overview Capabilities Resources

# Workflow





