
FEA Model Checklist

Geometry Checks

Part intersections/ clashes

FE Entity Checks

Mesh size and flow

Mesh quality

Property assignment

Material assignment

Material properties

Units

Boundary Conditions Checks

Load definitions

Constraints

Body Loads

External Loads

Output definition Checks

Load case definition

Required outputs definition

Global Model Checks

Model mass

Model CG

Connectivity

Contact definitions

Time step and mass scaling

Global model parameters

Other considerations

Preloads

Friction definitions