Automatically Detect Defects and Repair Meshes

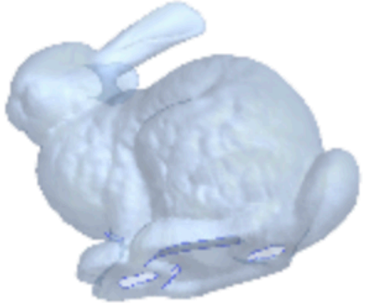
Version 11 integrates fully automated detection of mesh defects in 3D models and provides repair functionality.

HoleEdges edges around a hole in the surface	**TJunctionEdges** edges that form a T junction
TinyFaces faces with near–zero area	**OverlappingFaces** faces that overlap
IsolatedVertices vertices without incident edges	**DanglingEdges** edges without incident faces
SingularEdges edges with more than two incident faces	**SingularVertices** vertices with a non–disc neighborhood
TinyComponents tiny connected mesh components	**FlippedFaces** faces that point inward

Find defects in a 3D model.

```
In[1]:= mesh = ExampleData[{"Geometry3D", "StanfordBunny"}, "Region"];
        FindMeshDefects[mesh]
```

Out[1]=



● hole edges