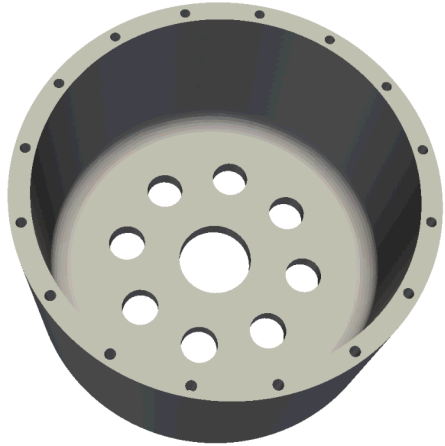
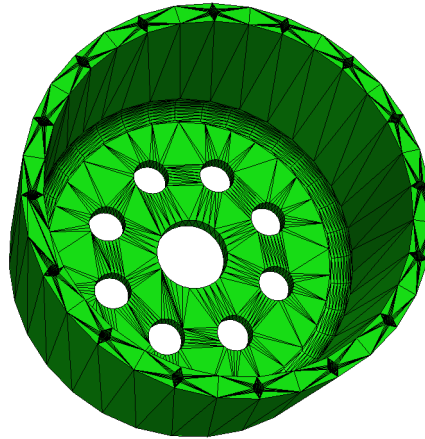


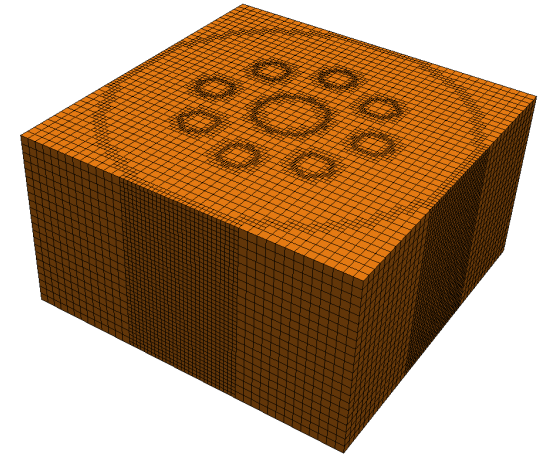
Rapid Design To Analysis Concept



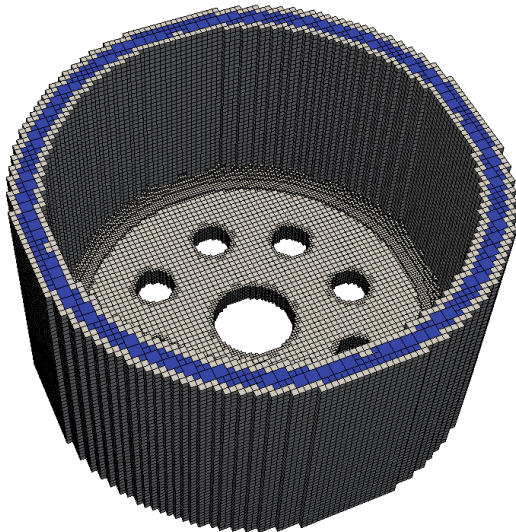
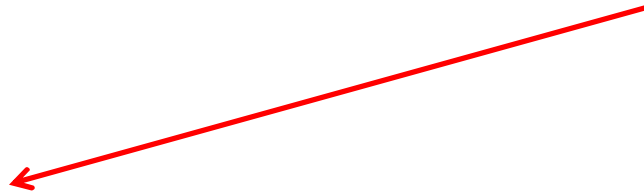
CAD model



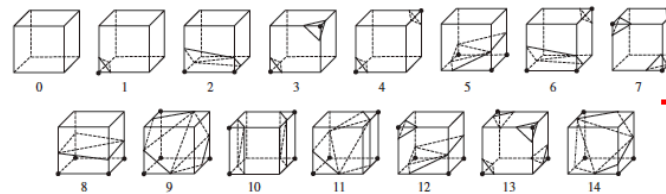
Rapid prototyping STL output



Structured overlay mesh with octree refinement on error metrics

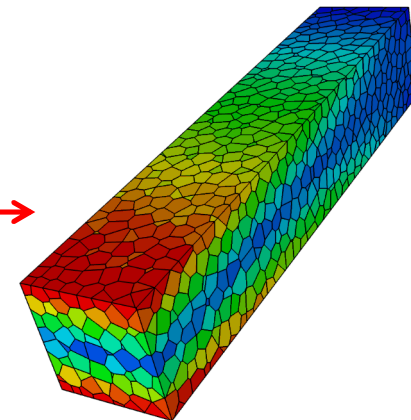


Elements that intersect the geometry



Cut cells using the Marching Cubes algorithm

- polyhedra at surface
- hexahedra in interior



Polyhedral FEA

- for cut cells
- for mesh transition areas