

## Robust mesh quality improvement feature for Structural Shape optimization.

### Setting:

- Structural shape optimization is a well established procedure during design.
- Processing of handling structural model during the shape optimization process is obtained still needs to be improved in terms of robustness.
- This is especially true in terms of dealing with the internal volume mesh quality after the surface mesh optimized.

### Your Tasks:

- Investigate the possible methodologies and tools for mesh quality improvement.
- Integrate the tool into the optimization framework that exists at the chair.
- Provide an interface to this functionality.
- Test the functionality with real world problems.

### Project Characteristics

Modeling: ★★★★★  
 Mathematics: ★★★★★  
 Programming: ★★★★★

