# UVMAP Example Cases

Data files for several *UVMAP* example cases are provided. Package archives with all of the example cases are provided in uvmap-examples.tar.gz (tar-gzip archive for Linux/MacOSX) and uvmap-examples.zip (zip archive for Windows). Copy the package archive files and unpackage them in a location of your choosing to run the example cases. All cases require minimal resources. The 3D input tria-face surface mesh files, case##.surf, provided for the example cases are ASCII formatted files of SURF type. The demonstration program *UVMAP* will generate UV mapping and output to a file of the same type. The output file, case##_uv.surf will contain U,V coordinates in place of the X,Y coordinates and a 0 for the Z coordinate. A log file containing all of the progress output can optionally be generated. The log file, case##.uvmap.log, is an ASCII formatted text file. A UV mapping can be generated for any of the example cases using the following command.

    uvmap case_name

**See *UVMAP overview* for information on available options and usage.** Alternatively, you can view text-based documentation at the command line with any of the following commands.
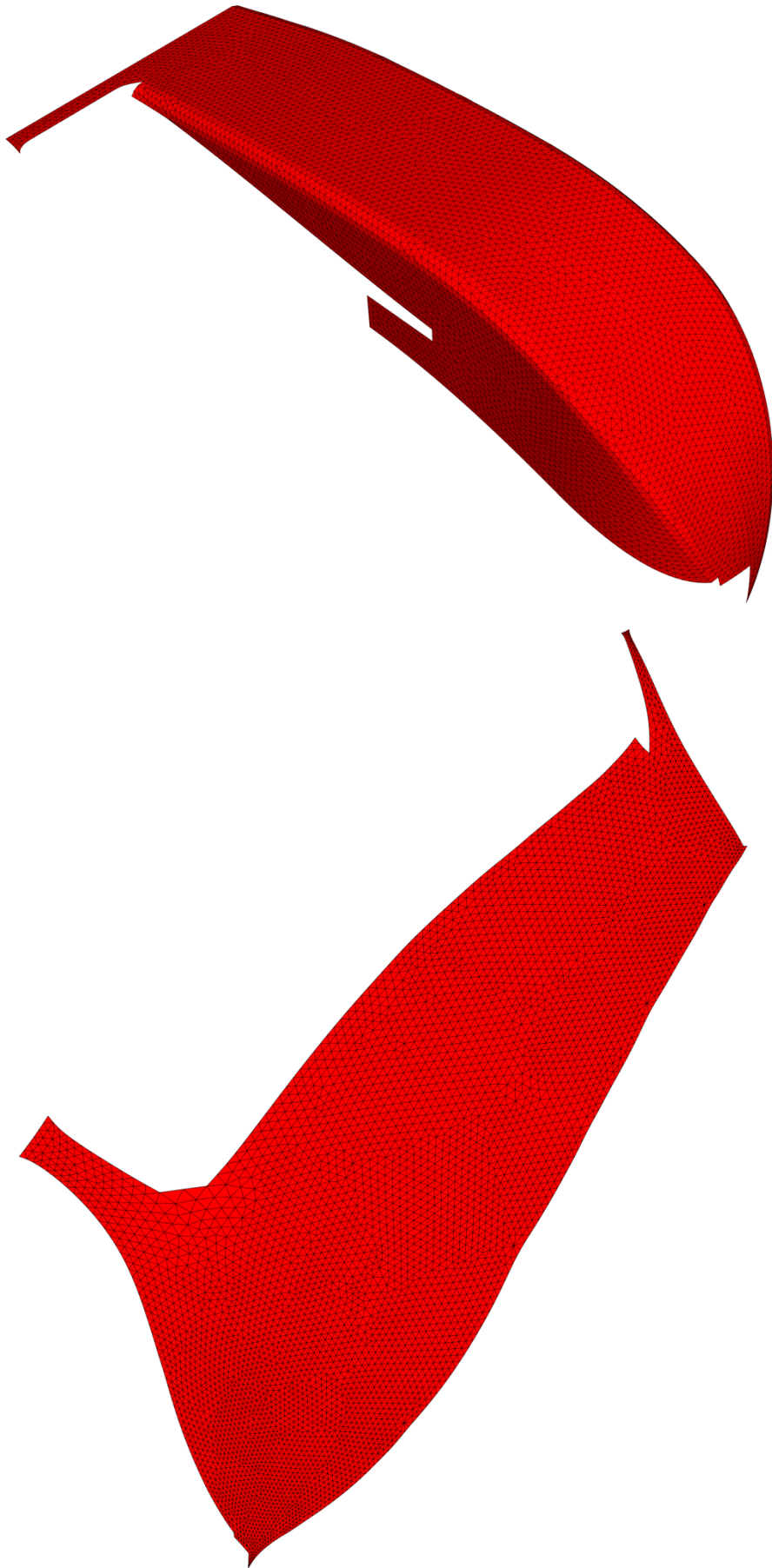
    uvmap
    uvmap -h
    uvmap -help

**The *UGC* program is provided with the UG_IO library and can convert the output UV mesh file into various alternative output file types.** Several *UVMAP* example case files named case##.surf are provided. Shown for each is and image of the X,Y,Z physical space input surface mesh and of the generated U,V mapping space.
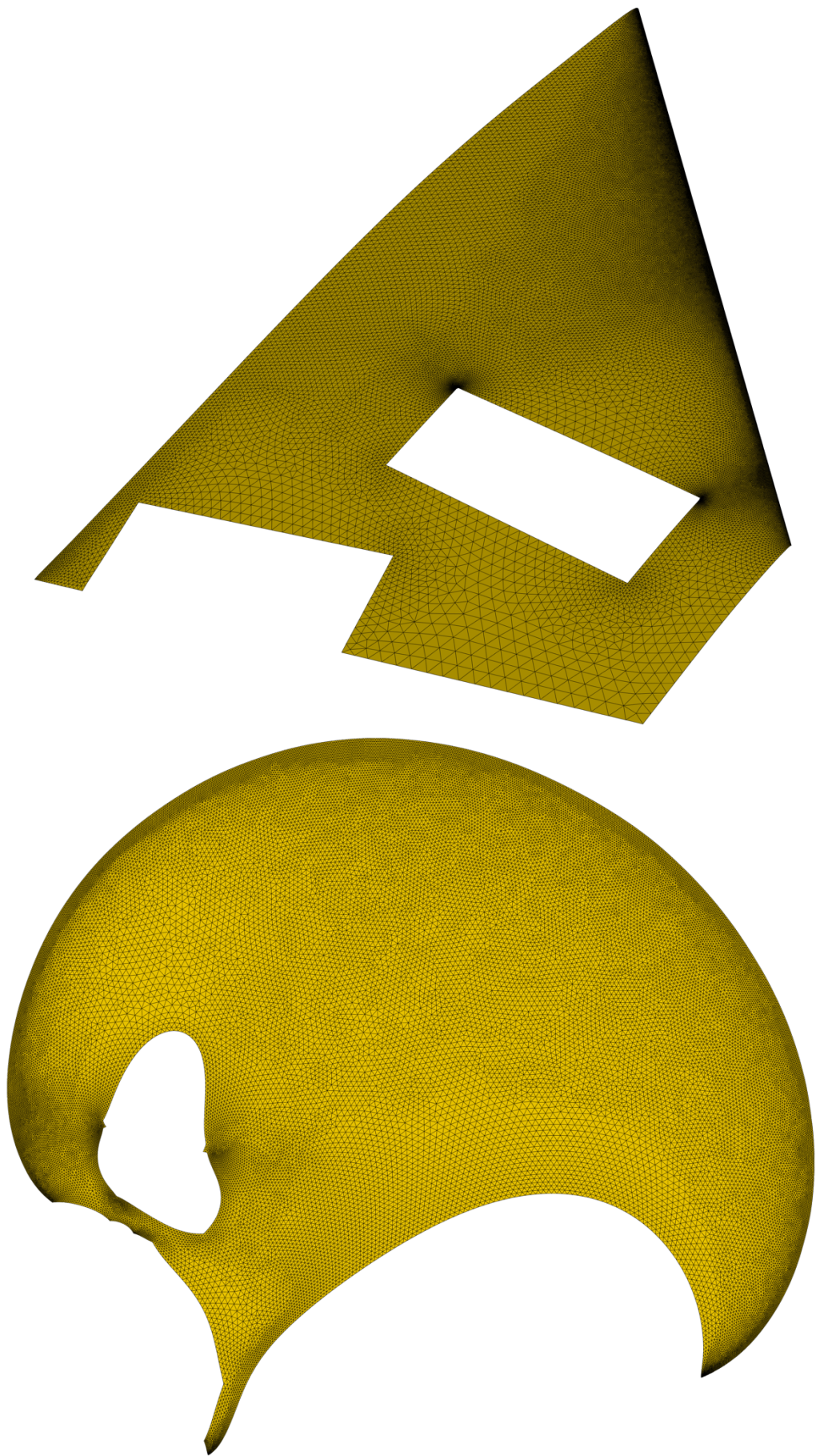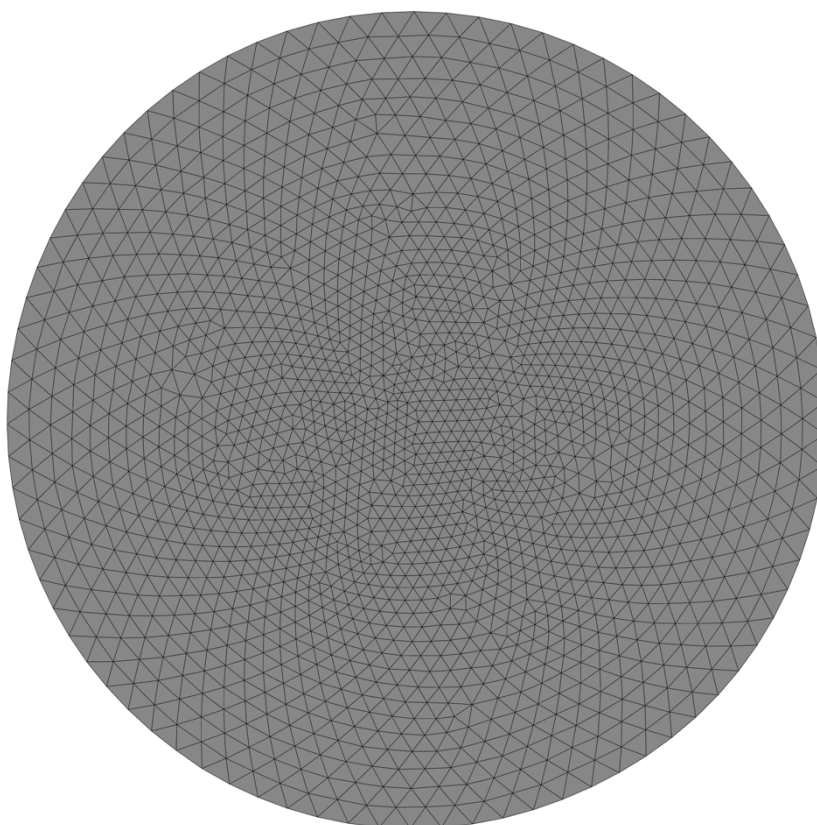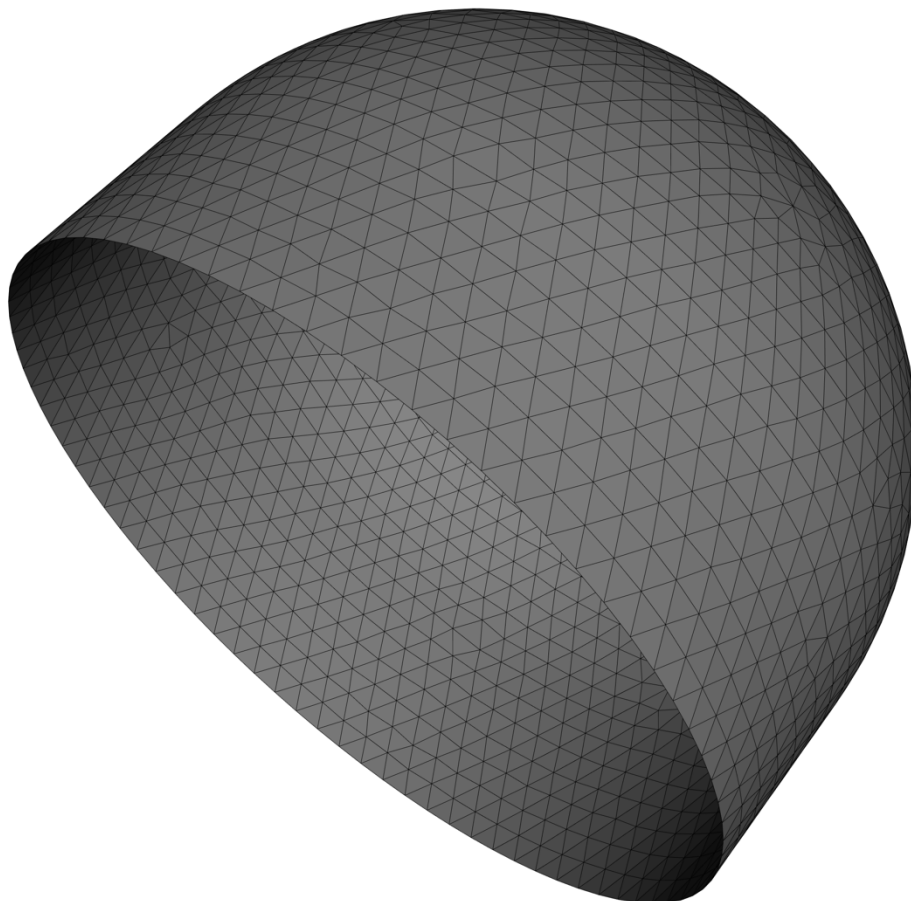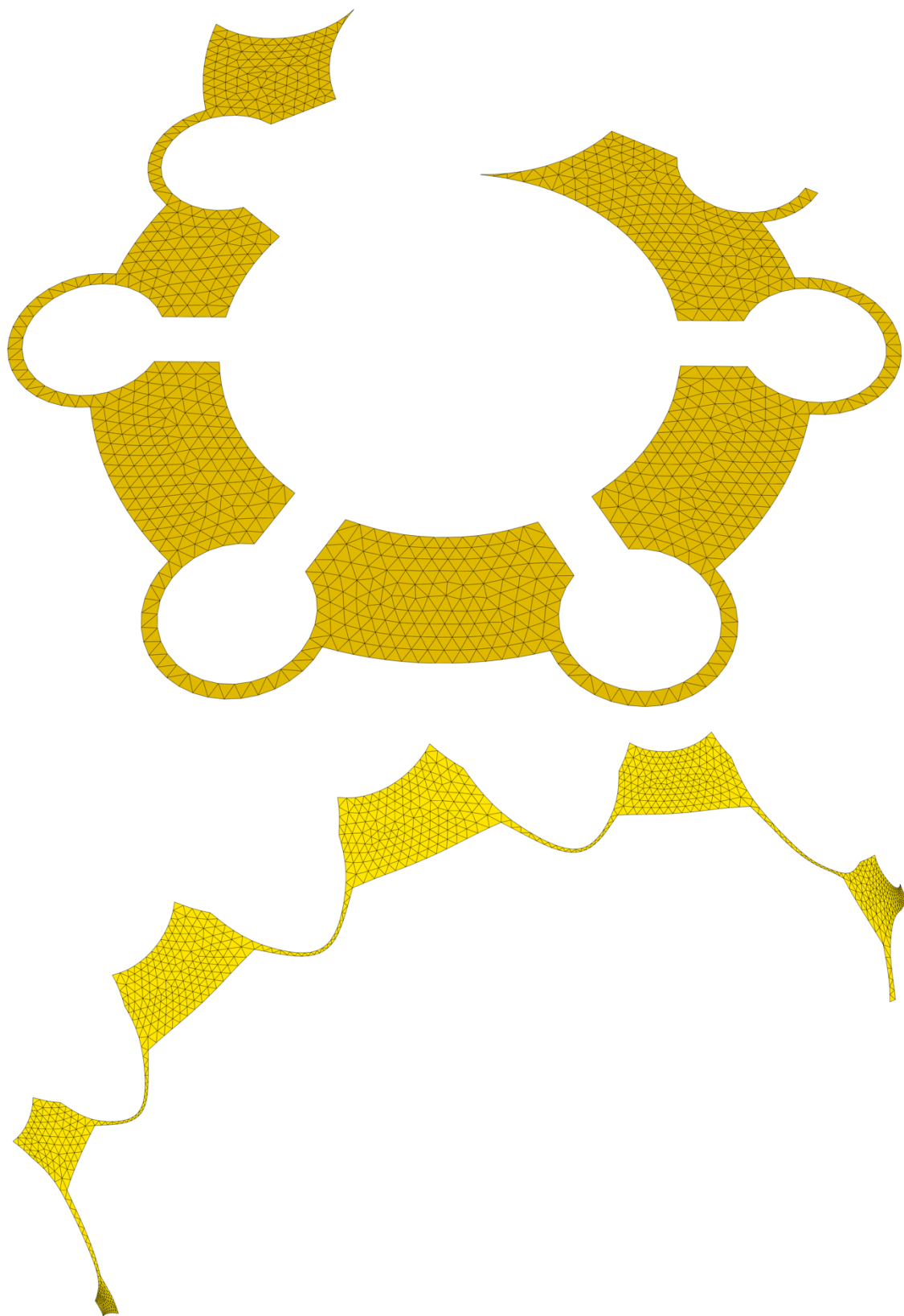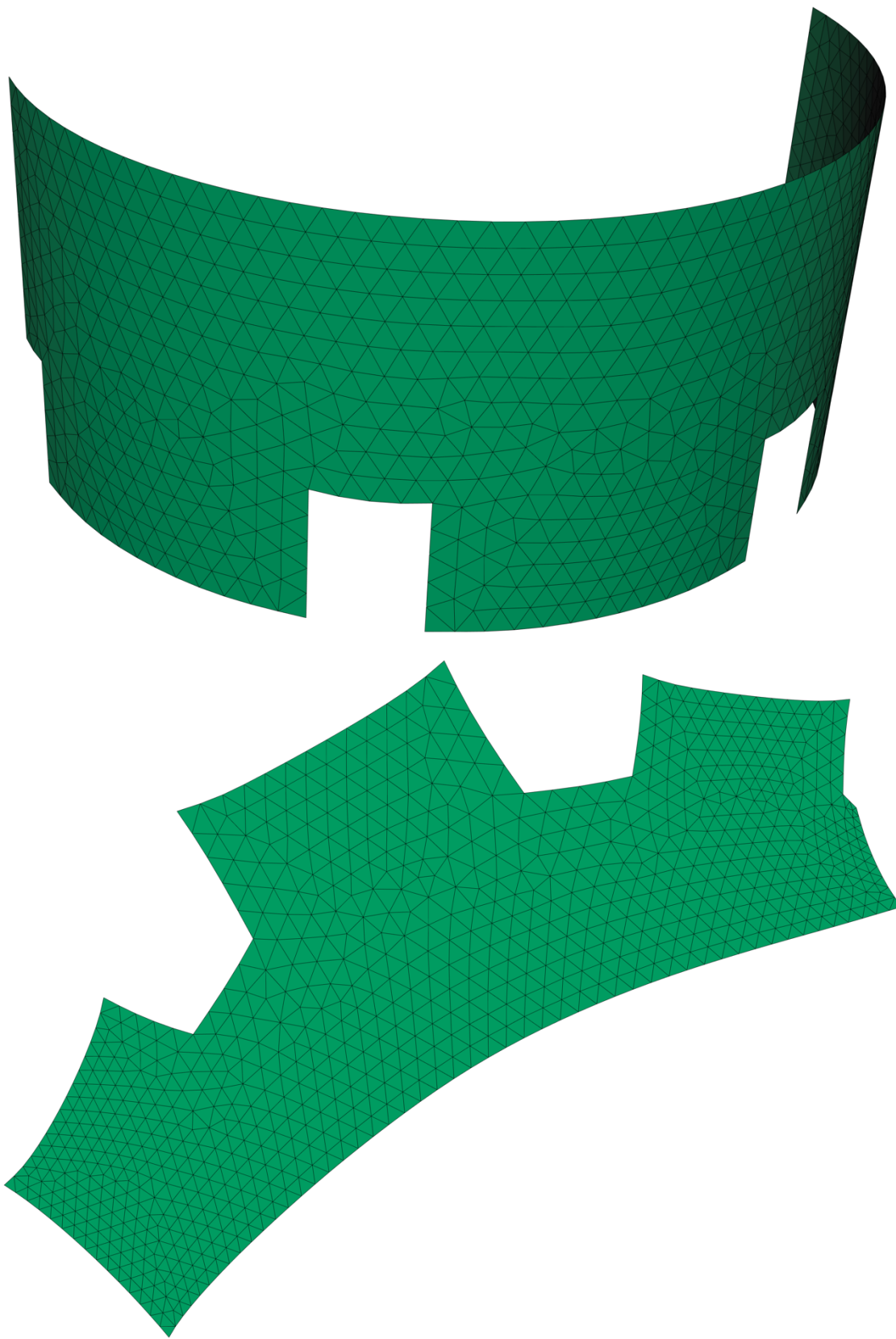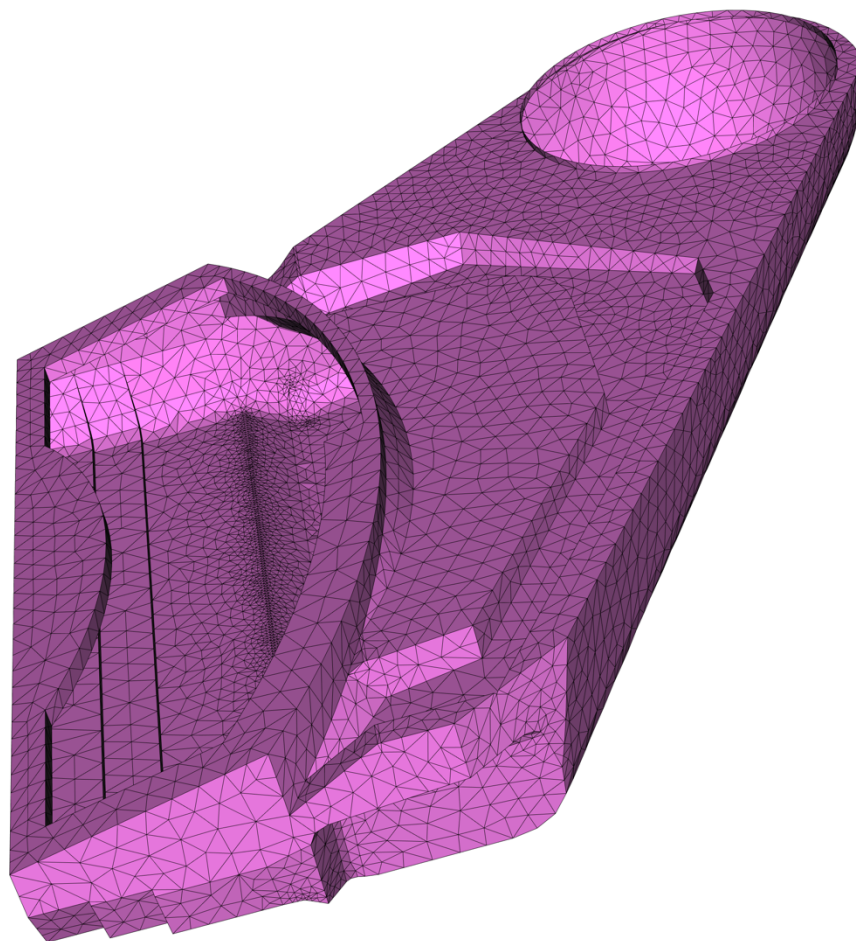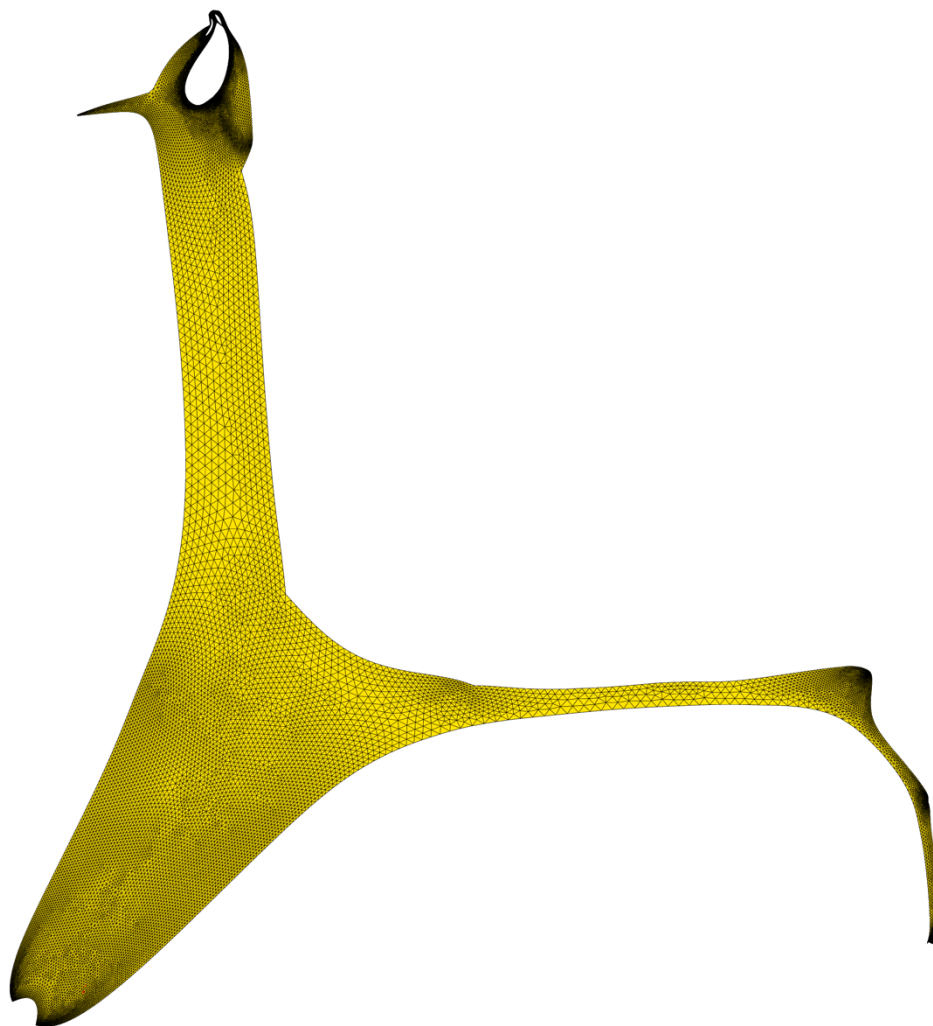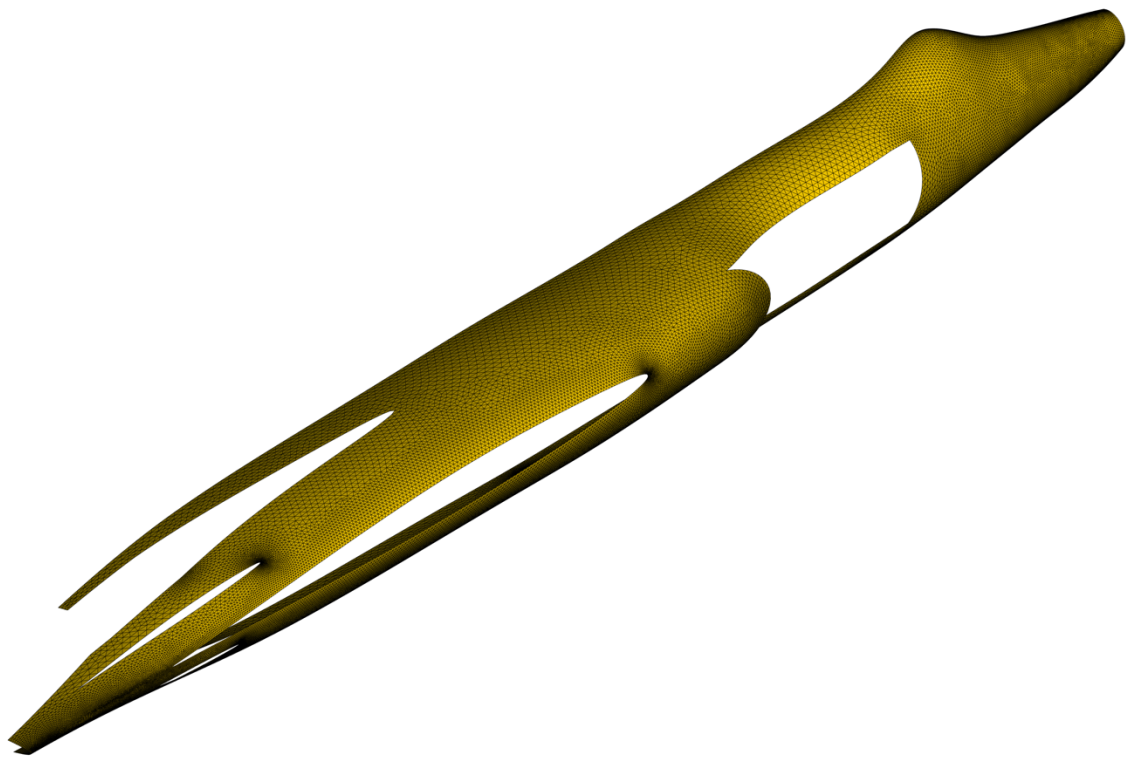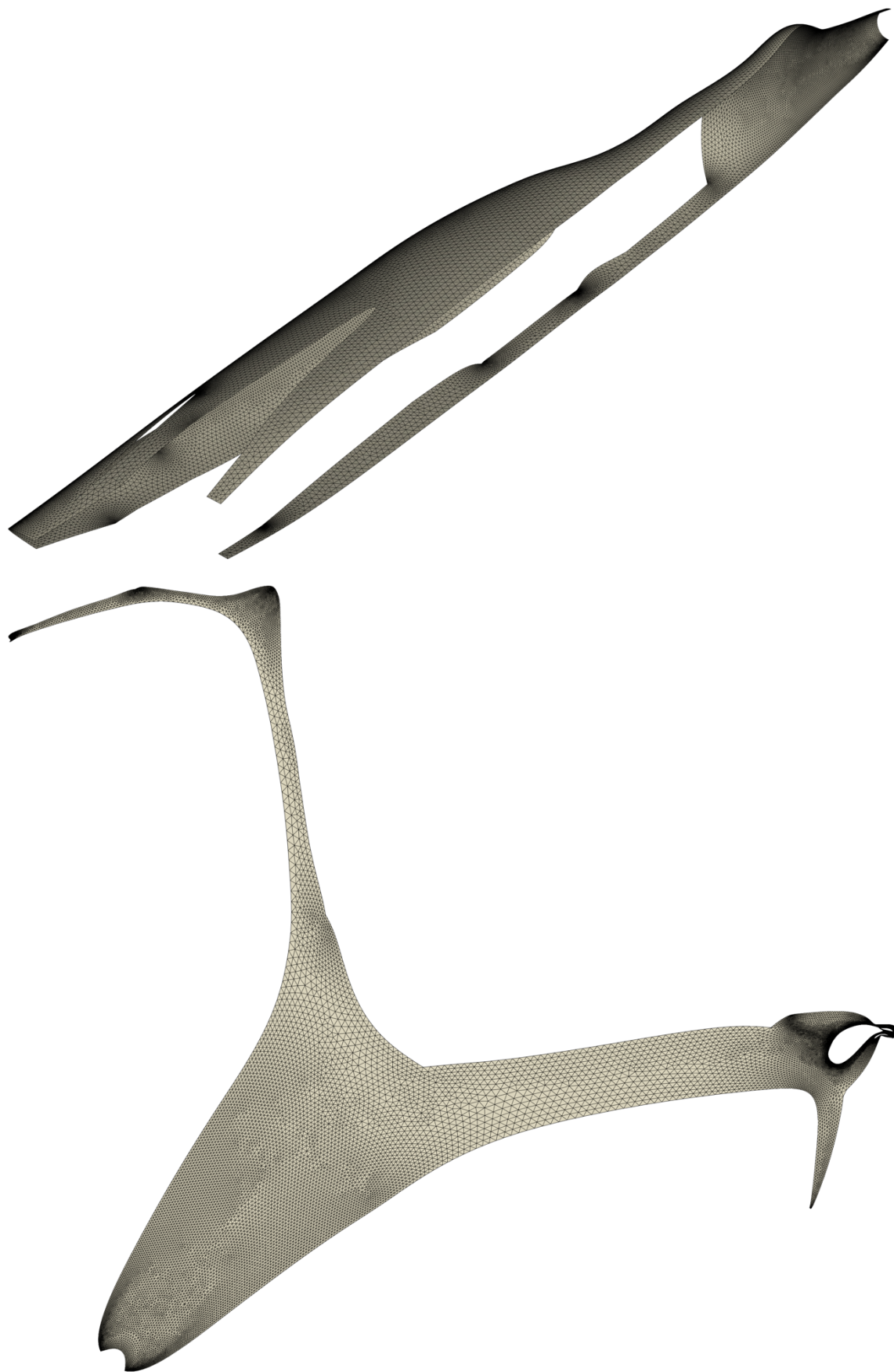
case01
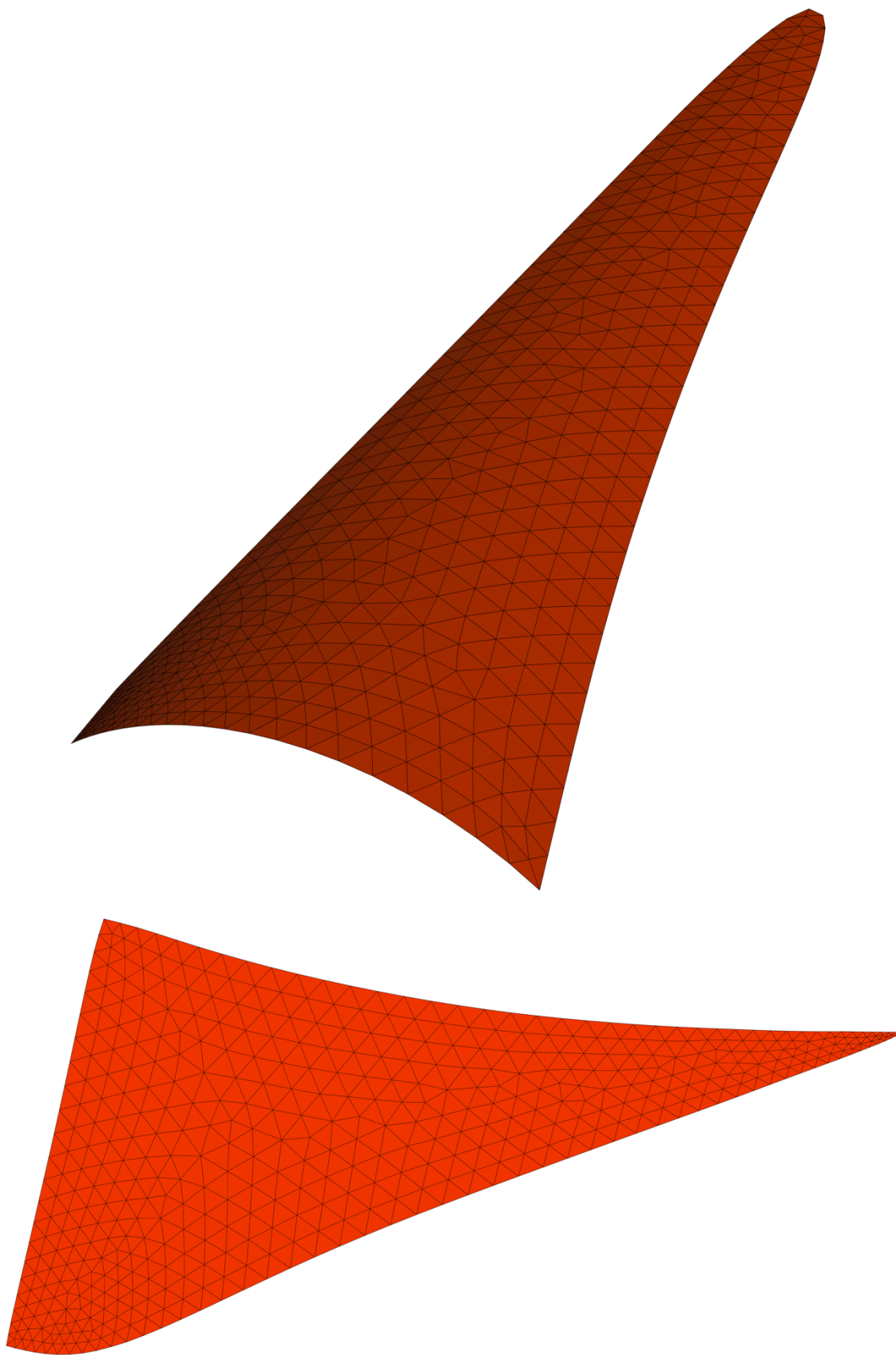
case02

case03

**case04**

case05

case06
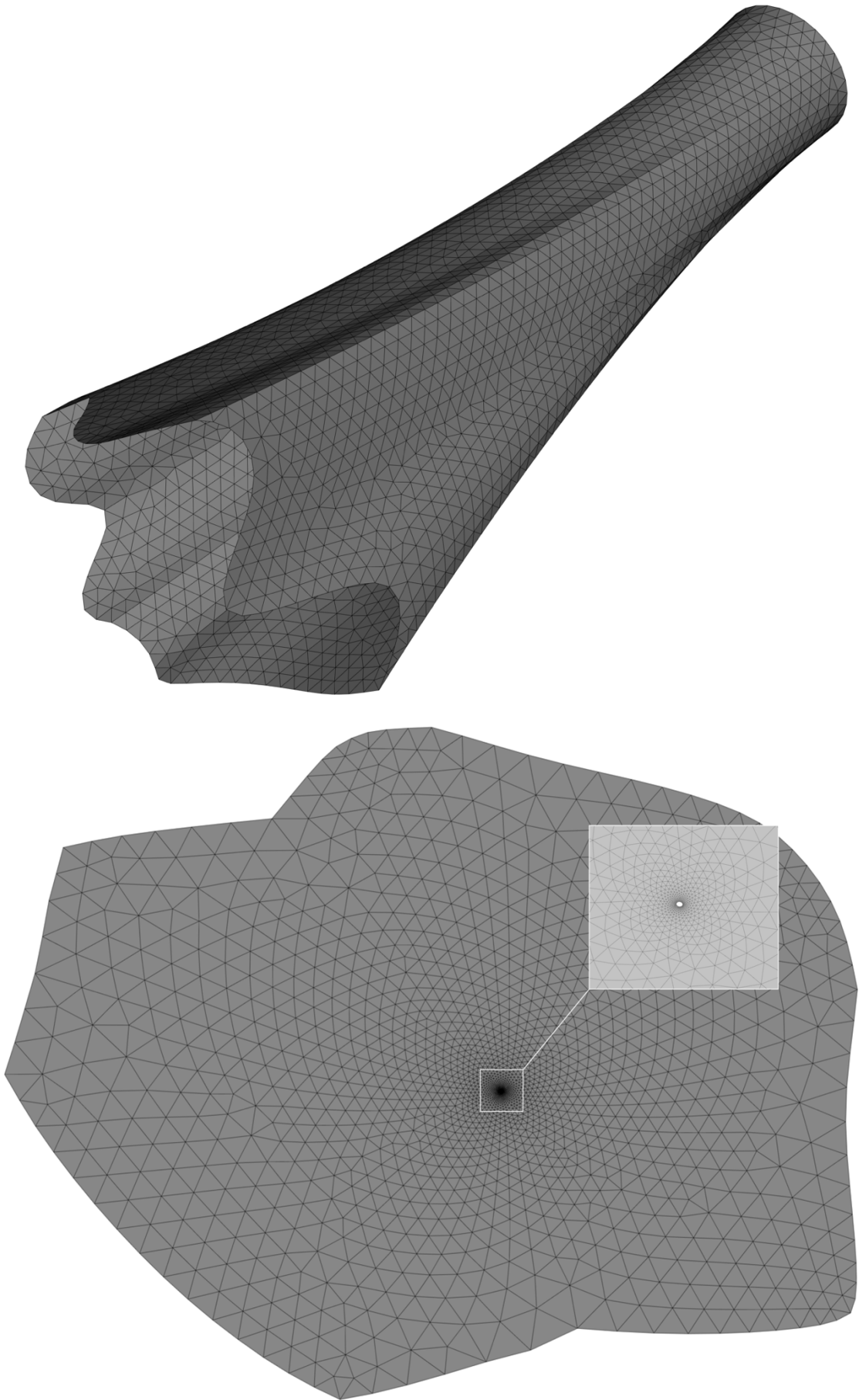
**case07**
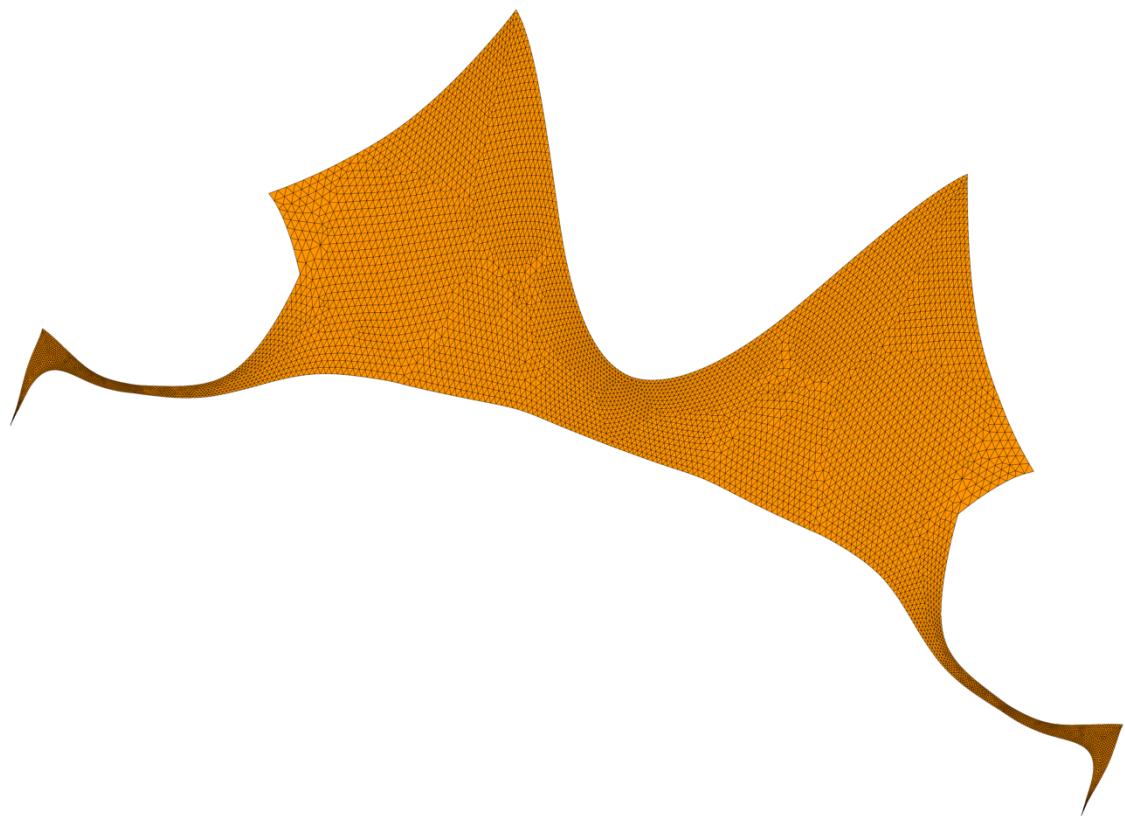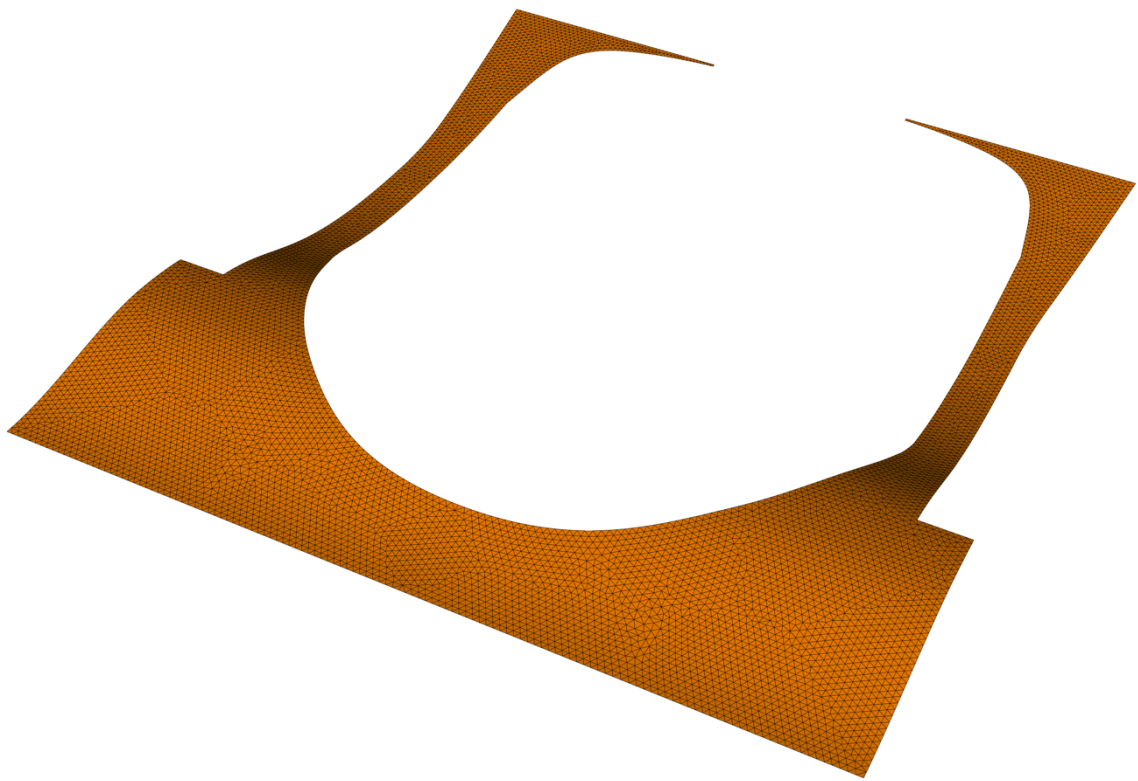
**case08**
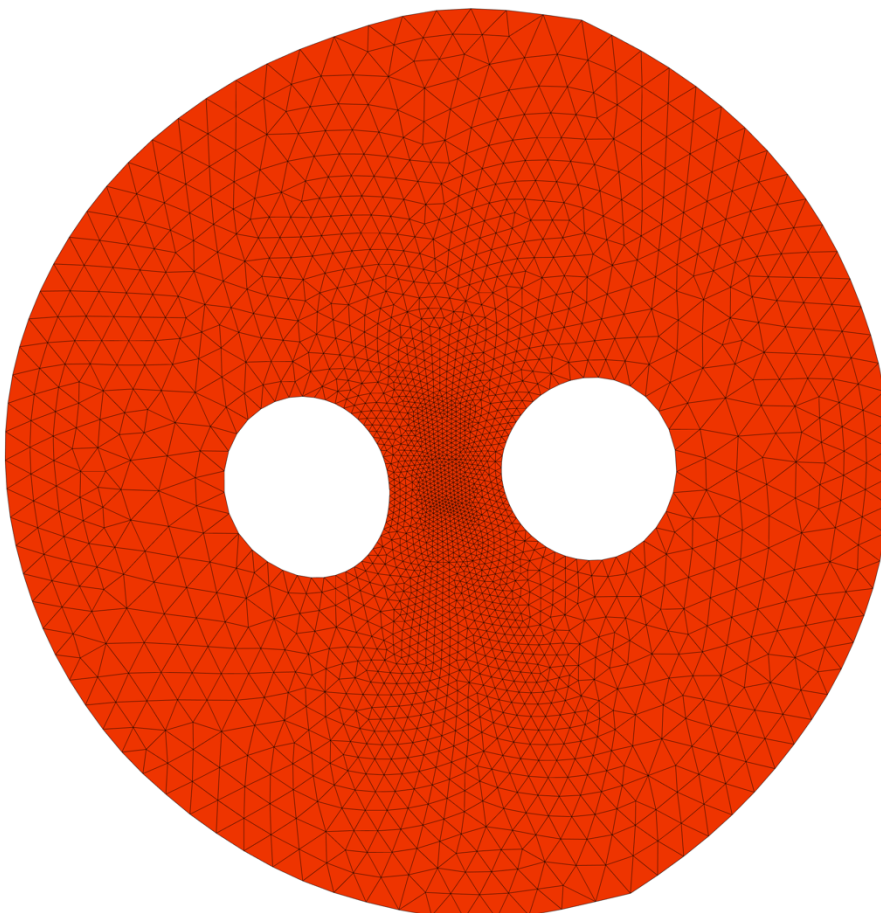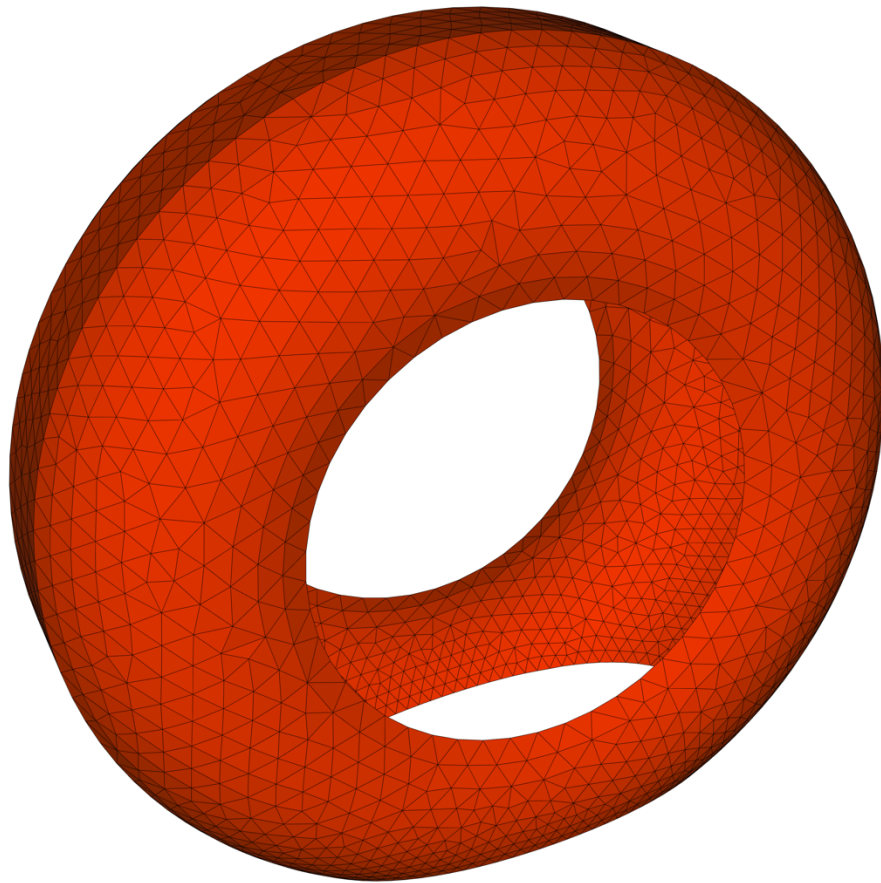
case09
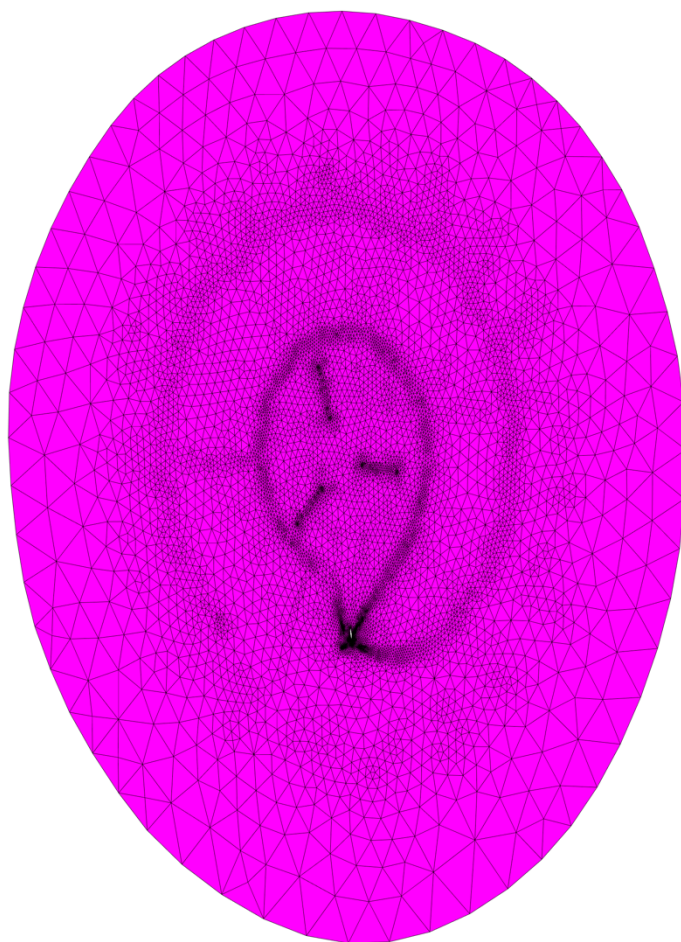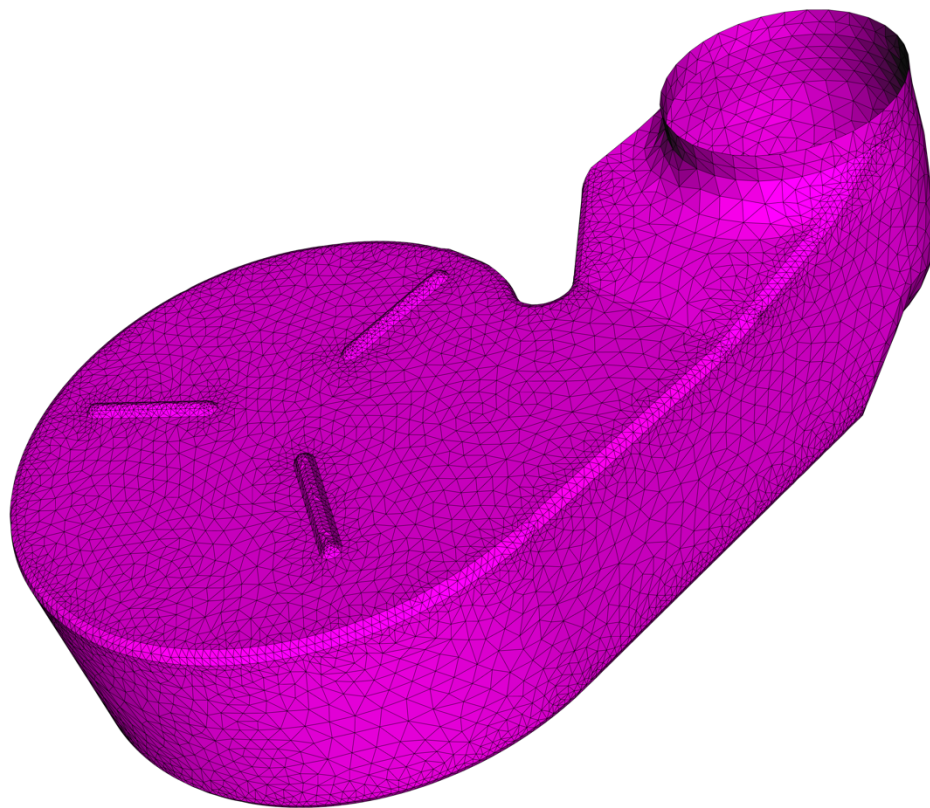
case10

case11

case12

**case13**