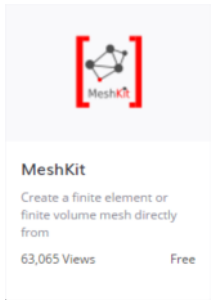


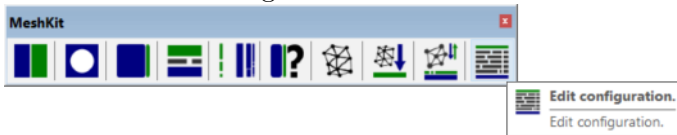
# 1 Installation

1. Install **Sketchup**
2. Install the **Meshkit** extension from the extension warehouse



# 2 Set the active mesher to gmsh

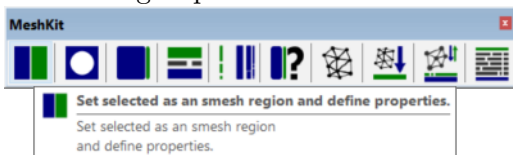
1. Click the "edit configuration button"



2. Select **gmsh** as the active mesher

# 3 Assigning boundary properties

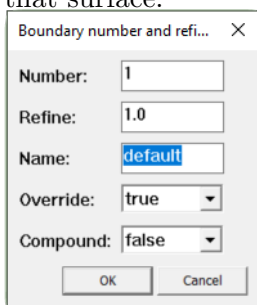
1. Group all surfaces bounding the internal air volume
2. Select the group and click the "Set selected as an smesh region and define properties" button and click "ok"



3. Open the group by double clicking
4. Select one or multiple surfaces you want to assign a boundary property to
5. Click "Add tetgen boundary to selected"



6. under "Name:" change the name to "materialname\$a\_1, a\_1, a..., a\_n" e.g. "panel\$0.1515,0.3641,0.64,0.8264,0.8821" so a description of the surface followed by a \$ followed by absorption coefficients separated by commas for that surface.

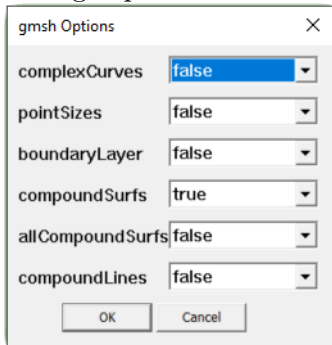


7. After you finished defining all the boundaries you click the "export to generate mesh" button



8. Select Format = "gmsh" en Units = "m"

9. Change "pointSizes" to **true**



10. Click "ok" and save the .geo file.