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# Tetrahedral meshes

To create more complex meshes one can use also tetrahedral mesh, which can be obtained (with one intermediate step) from 3D modeling software, like [Blender](#). Software tools for 3D modeling usually do not provide mesh itself, however they can save some files, e.g. in STL format that can be directly used for mesh generation. Then, a mesh generating software is used, like [Tetgen](#). This outputs .node and .ele files that GSvit can read.

Sample parameter file: [cow](#).

A 300x300x300 computational domain with cow model, hit by total/scattered field source. The original model used for creating the mesh was provided courtesy of Yutaka Ohtake by the [AIM@SHAPE Shape Repository](#).



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