

Table of Contents

Tetrahedral meshes 1

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](#).



From:

<http://www.gsvit.net/wiki/> - **GSvit documentation**

Permanent link:

http://www.gsvit.net/wiki/doku.php/fdtd:tetrahedral_meshes?rev=1517260469



Last update: **2018/01/29 22:14**