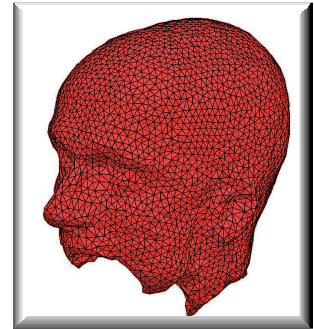


TetGen

3D-Mesh Generation

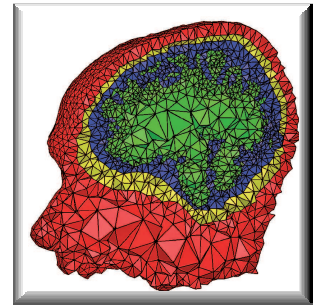
Product

TetGen creates three-dimensional tetrahedral meshes for numerical simulations based on finite volume and finite element methods. **TetGen** contains facilities to control the mesh quality and to perform local mesh adaptation. Furthermore, it is able to create boundary conforming Delaunay meshes.



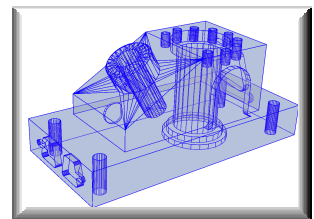
Key Features

TetGen can be used standalone as a command line based program. At the same time, its library version can be linked into other programs. Most important operation systems (Windows, Unix/Linux, MacOS X) are supported. The object geometry is described by surfaces using planar polygons. It is assumed that this surface description is consistent and complete. Data transfer is facilitated by **TetGen**'s own file format or by a programming interface. Input of STL data is possible. Based on these options, other CAD formats could be used with **TetGen** as well.

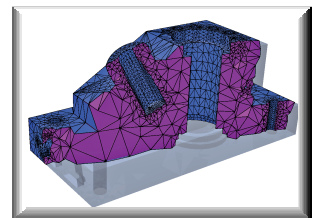


Service

- Licensing for use in your software products
- Free download for testing purposes
- Individual consultations
- Solution of open problems in the framework of R&D contracts



Geometry Input



Mesh generated by TetGen

Dr. Jürgen Fuhrmann

Weierstraß-Institut für Angewandte Analysis und Stochastic · Mohrenstraße 39 · 10117 Berlin · Germany
 Fon 030 203 72-560 · fuhrmann@wias-berlin.de · www.wias-berlin.de/software/tetgen