

# **GMSH : a three-dimensional finite element mesh generator with built-in pre- and post-processing facilities**

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Gmsh is an open-source three-dimensional finite element grid generator with a build-in CAD engine and post-processor. Its design goal is to provide a fast, light and user-friendly meshing tool with parametric input and advanced visualization capabilities. This poster presents the overall philosophy, the main design choices and some of the original algorithms implemented in Gmsh.