

A Finite Cell Method Plugin for FreeCAD

Setting:

- Closely coupling Design and Analysis is highly desirable to speed up development
- Embedded domain methods greatly simplify meshing and might be the solution

Task:

- Implement an embedded domain method based on quadratic finite elements
- Create a plug-in for FreeCAD using your FEM-Kernel
- Post-process the results inside FreeCAD

Project Characteristics

Modeling: ★★☆☆☆
Mathematics: ★★★★★
Programming: ★★★★★



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