

Implementing Preprocessing for Kratos Multiphysics in Salome

Setting:


Kratos Multiphysics is an open-source finite-element based software-framework for solving multi-disciplinary problems.

The open-source pre-/postprocessor SALOME is a suitable tool for creating input for the simulations with Kratos by using a plugin.

Your Tasks:

Extend the existing basic plugin (“problemtype”) with which SALOME can be used to create input for Kratos.

With the extensions it should be possible to set-up and run basic examples from structural-analysis and fluid-dynamics

Programming language: Python 

Project Characteristics

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

