

Meeting 26.04.2018

Python-based Paraview postprocessing

Participants

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Content

- Understanding State Files in Paraview
 - Load them in
 - Creating them
- Altering Views in Paraview
- Understanding vtu-files
 - Xml- structure
 - Points are given with x,y,z – coordinates
 - Cells are given with a leading identifier and are followed up by point indices
- Python for Paraview (pvpython.exe)
 - “Tools -> Start Trace” can be used to track activity in Paraview as Python code
 - Every action in Paraview can be rebuild from a python script

Tasks

- Create a specific view in Paraview using pvpython
 - Load in the vtu files
 - Start Trace
 - Try to recreate the View visible in the state file
 - Stop Trace
 - Create a script from the extracted code
- Analyse the code and try to create different views from it
 - Understand the structure of pvpython code
 - Think about general functions to use in our program

Next meeting

- 10.05.2018