



Paul Scherrer Institut

Georg Kosakowski

Reactive transport with OGS-GEMS: Postprocessing with paraview



Output results are stored in VTK legacy format: Advantages:

- VTK format is readable by several commercial and freely available (open-source) tools
- Human readable (ascii) format
- Can be very simply processed with batch scripts (e.g. under linux)

Disadvantage

 May need considerable amounts of disk space for many time-steps or big systems



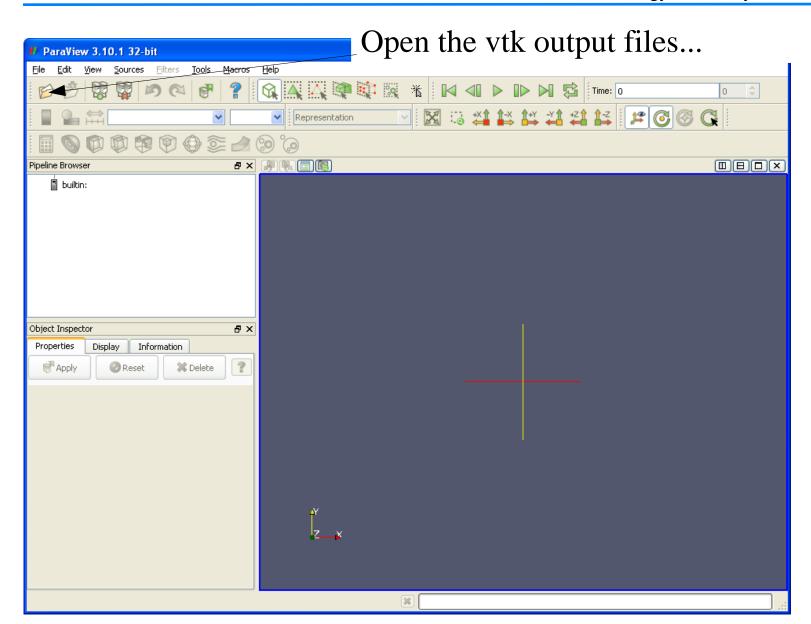
Paraview tutorial on the web:

http://www.vtk.org/Wiki/images/2/2d/ParaViewTutorial310.pdf

From within paraview you can easily process data, produce figures, or extract and export data to spreadsheet programs or other scientific software.

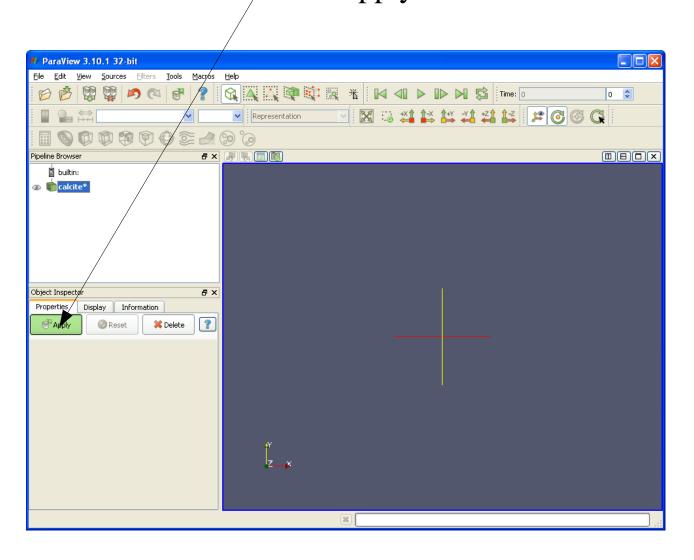
Laboratory for Waste Management

Nuclear Energy and Safety Research Department

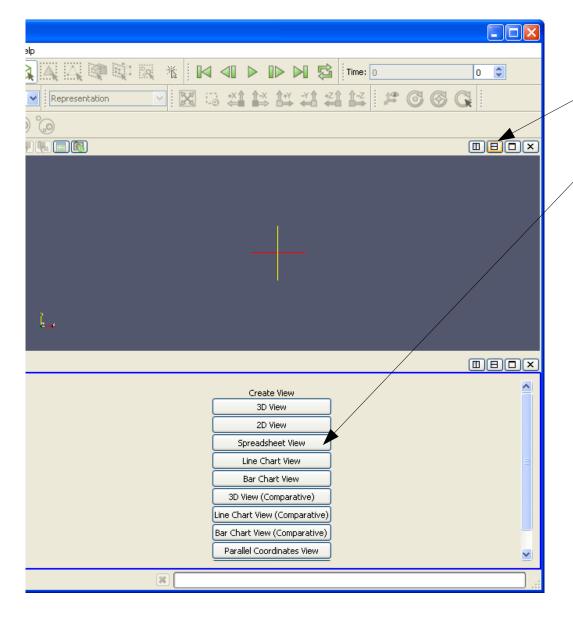




Press apply....

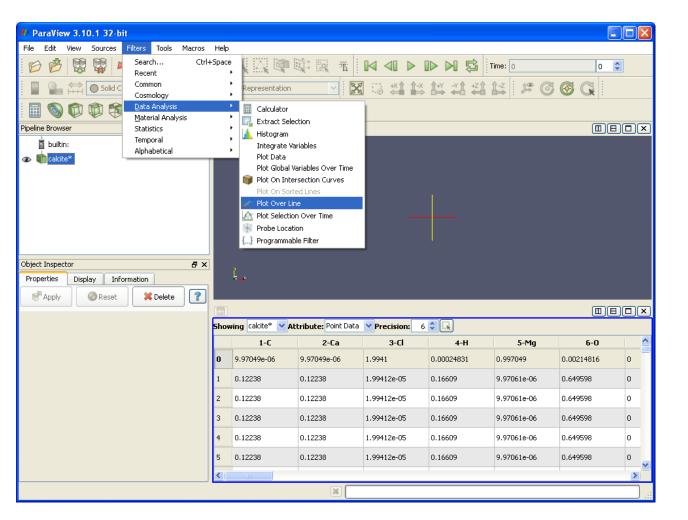






Choose split screen and choose spreadsheet view in the new window.



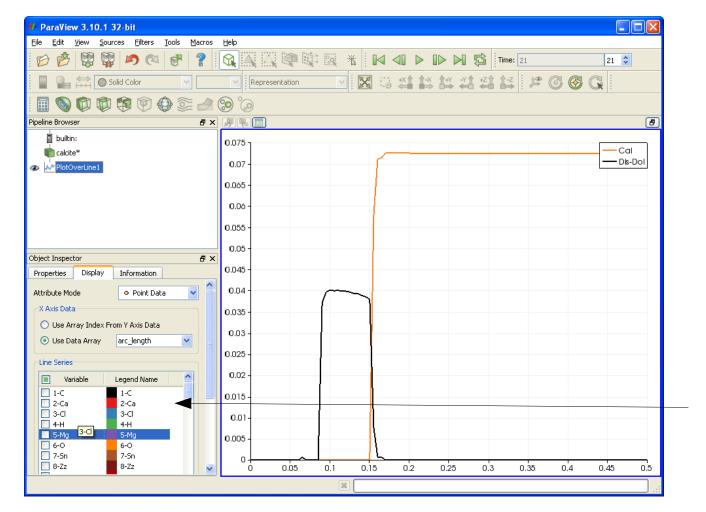


Add a line viewer filter for some more meaningful view of one-dimensional meshes (or profiles).



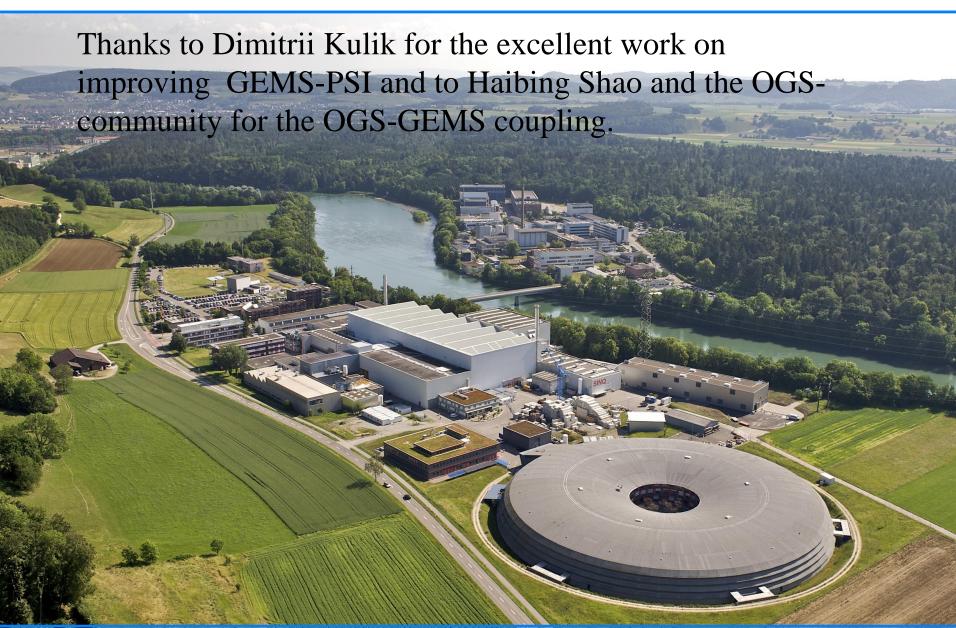
ParaView 3.10.1 32-bit <u>Filters</u> Change the visible time Solid Color Pipeline Browser step B builtin: 💼 calcite* PlotOverLine1 ₽× Information Apply 💢 Delete Maximize a High Resolution Line Source Source Showing calcite* Attribute: Point Data Precision: ✓ Show Line -- 1-C 3-CI 1-C 2-Ca 35000 -- 2-Ca window here 9.97049e-06 9.97049e-06 1.9941 0.0 - 3-CI Point2 0.5 4-H 25000 0.1 0.12238 0.12238 1.99412e-05 5-Mg X Akis 6-0 0.12238 0.12238 1.99412e-05 0.1 15000 7-Sn Y Axlis 8-Zz 0.12238 0.12238 1.99412e-05 0.1 Z Axi С 5000 0.12238 0.12238 1.99412e-05 CH4 CH4@ 0.12238 0.12238 1.99412e-05 0.1 Note: Move mouse and use 'P' key to change CO2 -5000 point position 0.1 CO2@ > 34

Select display to change the variable(s) drawn in the line viewer window



Select variables to plot and adjust line style, coloures, symbels





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"What do you mean Rumpelstiltskin is too long for a password?!"