Paraview Cheat Sheet

Paraview is a sophisticated mesh viewing tool with an expansive set of features

- Full 3-D graphics + animation

- Many filters for advanced viewing (cut planes, isosurfaces, etc.)

- Ability to read a number of different data types (exodus, cth, etc.)

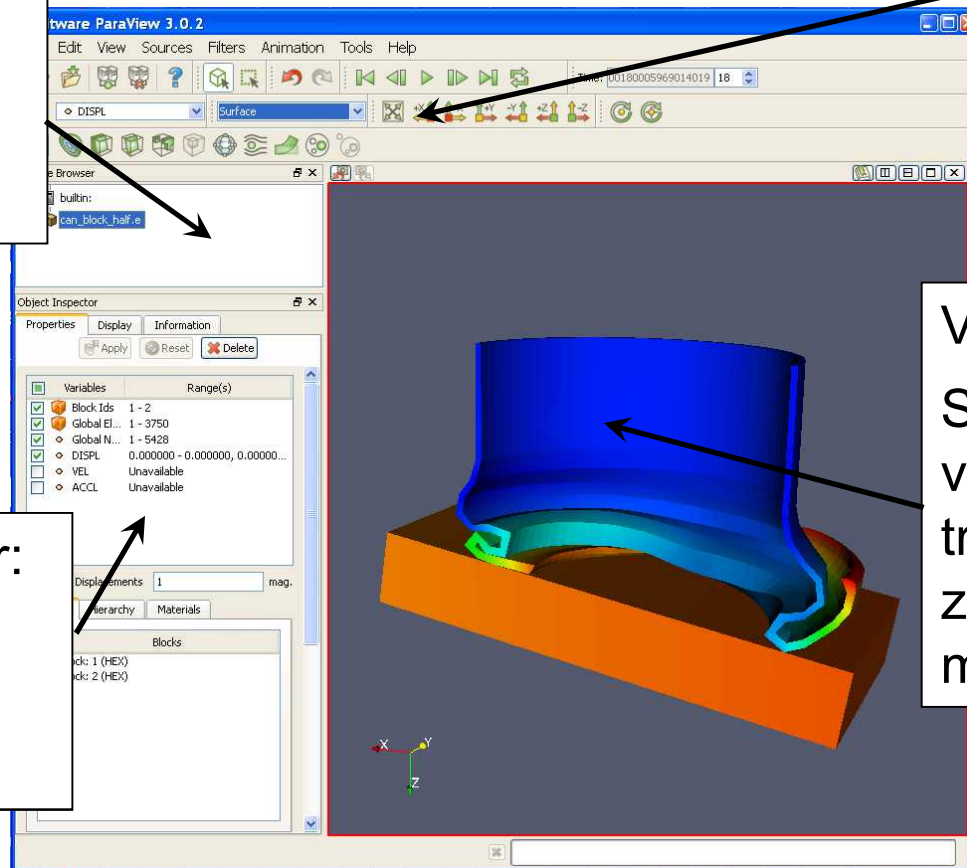Developed by Kitware in concert with Sandia, Los Alamos, and ARL with funding from the ASC program

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Paraview Cheat Sheet: Overview

Top Menus & Icons:

Opens files, activates filters, controls views & animations

Pipeline Browser:

Allows you to control the various views that are active

Object Inspector:

Sets what data gets read from the input file

View Window:

Shows active views; can rotate, translate, and zoom using mouse
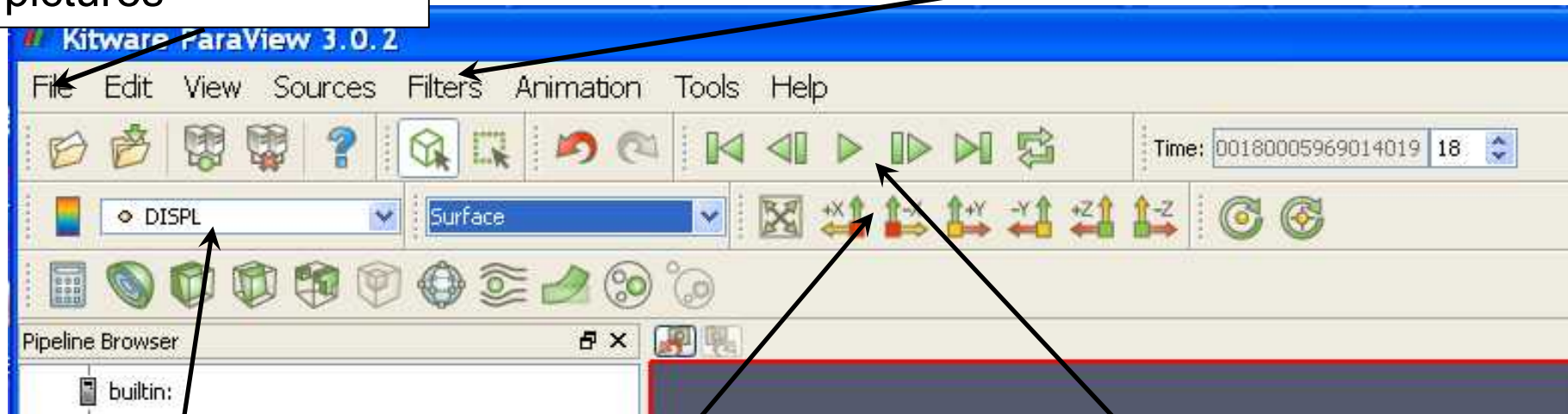
Paraview Cheat Sheet: Top Menus & Icons

File

Opens new results files, saves state & pictures

Filters

Advanced methods for viewing mesh, e.g. mesh lines, data points, cut planes, etc.
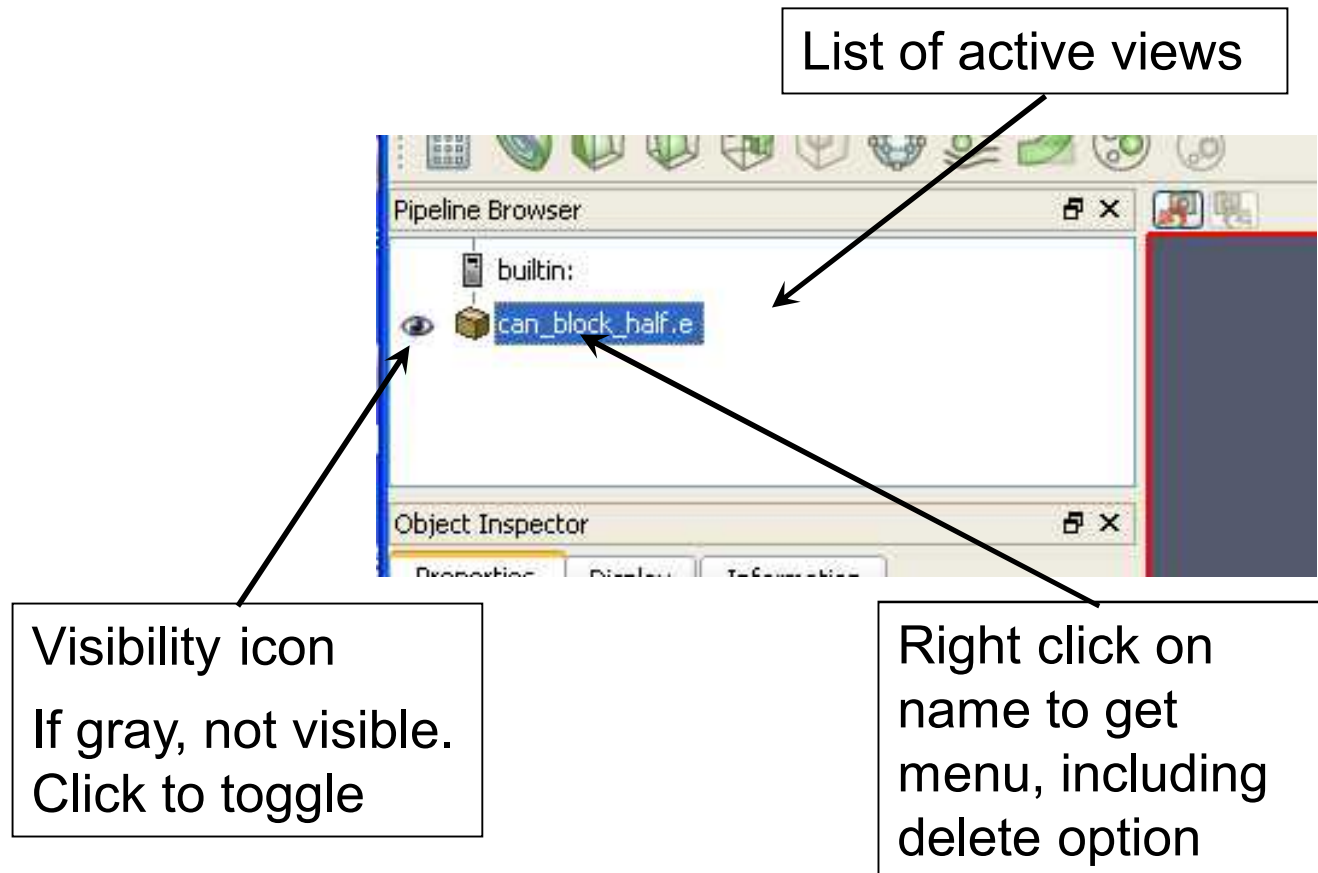

Active Variable Control

Selects variable for contour plotting
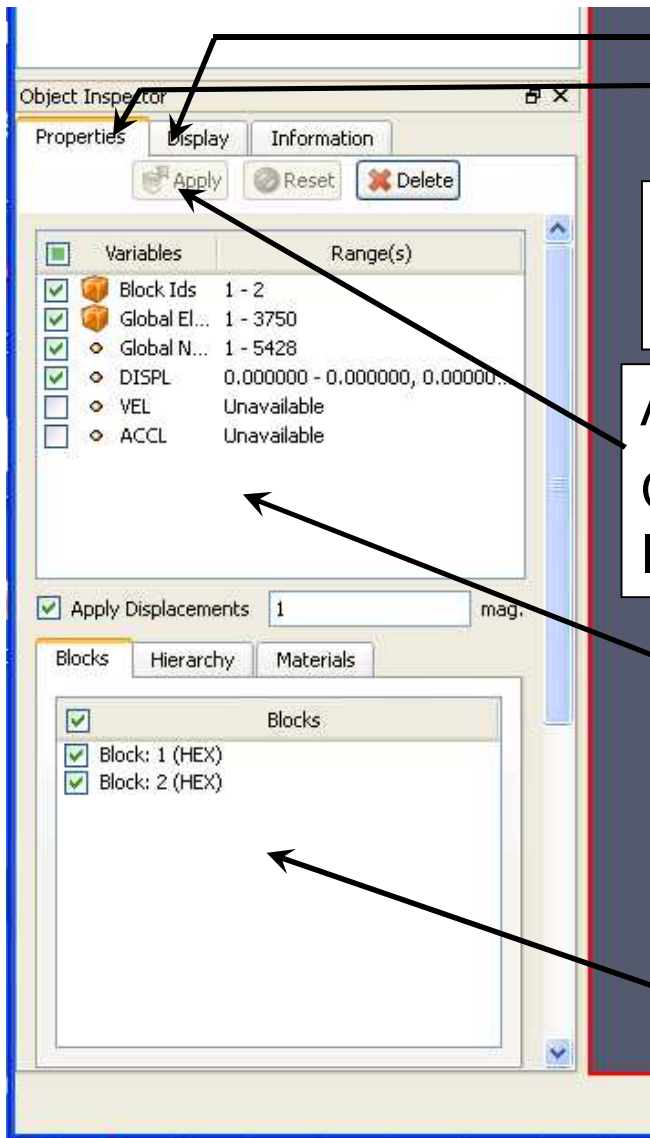
Camera Controls

Simple Camera Changes

"VCR" Control

Controls time of view, animation

Paraview Cheat Sheet: Pipeline Browser

Basic concept: The view you want is the combination of a number of simple views, e.g. deformed plot + mesh lines

List of active views

Visibility icon

If gray, not visible. Click to toggle

Right click on name to get menu, including delete option

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Paraview Cheat Sheet: Object Inspector

Display:

Controls how information is displayed

Properties:

Governs what gets processed from file

Apply Button:

Confirms and activates choices made in Object Inspector; makes view active in view window

Variable Picking:

Chooses what variables will be accessible for viewing

Block/Sideset/Nodeset Picking:

Chooses what blocks/sidesets/nodesets will be accessible for viewing