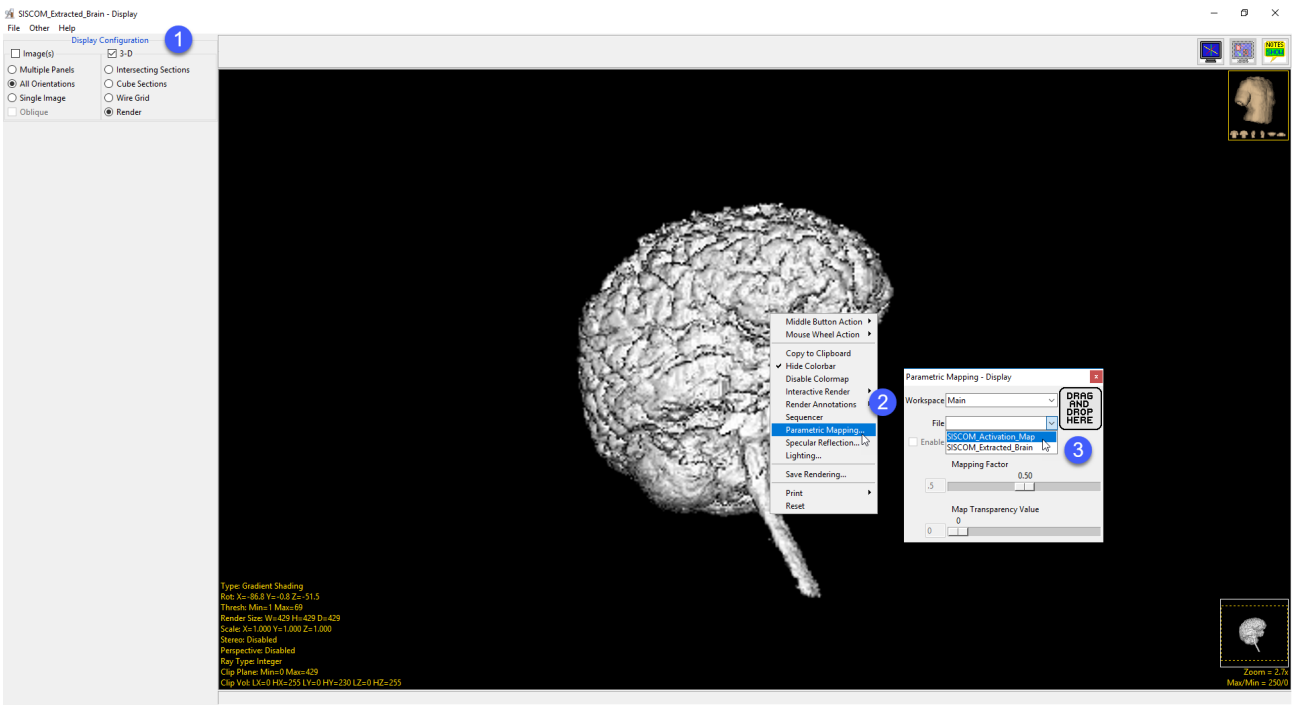
Parametric Mapping

The Parametric Mapping functionality provides users with the ability to blend the rendering of two image data sets. This is useful for displaying renderings of functional data with structural data. A related data set is loaded via the Parametric Mapping window available from the right mouse menu in the Render window. The related image must be registered with the base data set beforehand in order for it to be used as a parametric input volume.



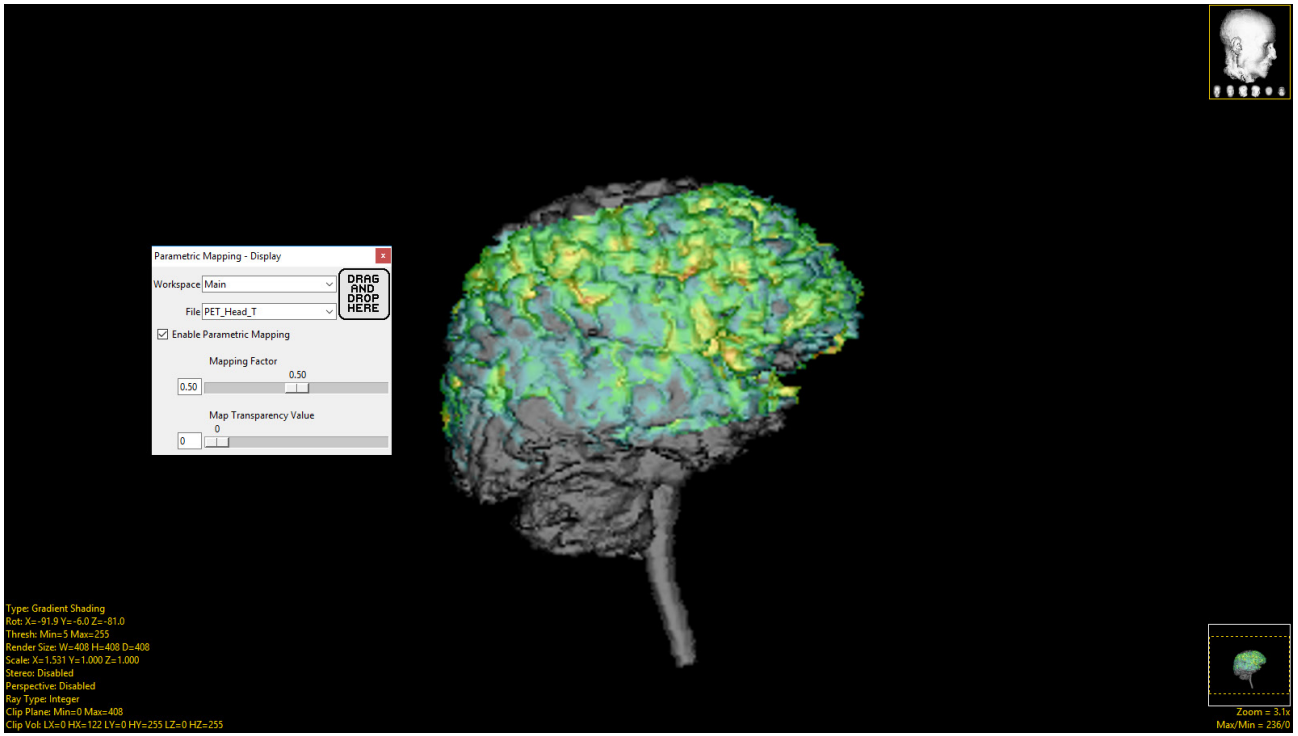
Download the MRI_Brain.avw and the PET_Brain.avw to follow along from https://analyzedirect.com/data. Use the Input/Output module to load both the MRI_Brain.avw and the PET_Brain.avw data sets. Select the MRI_Brain data set and then open Display. In Display set the Display Configuration to 3-D and choose the Render option (1). Uncheck the Image(s) option.

Change the orientation of the brain to right using the Navigation icon (2). Right-click in the Render window and choose Parametric Mapping from the menu options (3).

In the Parametric Mapping window choose the PET_Brain data set from the File drop down (4). If the data resides in another Workspace select that workspace using the Workspace drop down. Alternatively, drag-and-drop the related image from the workspace onto the Parametric Mapping window.

Parametric Mapping (Continued)

The Parametric rendering will be displayed.



Adjust the Mapping Factor and observe the effect on the rendering.