Using atlas data as a spatial reference for a result of a realistic neural network simulation

Model download

From http://www.3dbar.org:8080/getPreview?cafDatasetName=aba2011;structureName=grey,VPL,SSp-bfd1,SSp-bfd2Slash3,SSp- The Allen Mouse Brain Reference Atlas, 2011 Segmentation download the following VRLM high quality models:

- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=grey&qualityPreset=high Basic cell groups and regions,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=VPL&qualityPreset=high Ventral posterolateral nucleus of the thalamus,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd1&qualityPreset= Primary somatosensory area, barrel field, layer 1,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd2Slash3&quality Primary somatosensory area, barrel field, layer 2/3,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd4&qualityPreset= Primary somatosensory area, barrel field, layer 4,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd5&qualityPreset= Primary somatosensory area, barrel field, layer 5,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd6a&qualityPreset Primary somatosensory area, barrel field, layer 6a,
- http://www.3dbar.org:8080/getReconstruction?cafDatasetName=aba2011&structureName=SSp-bfd6b&qualityPreset Primary somatosensory area, barrel field, layer 6b.

Download also a model of a of the barrel cortex collumn. Unwrap downloaded archives.

Model loading

Run http://www.paraview.org ParaView software. Open downloaded *.wrl and *.vtk files. Click *Apply*.

[[Image(1small.png)]]