CSCI#55200-Data Visualization

Project#3

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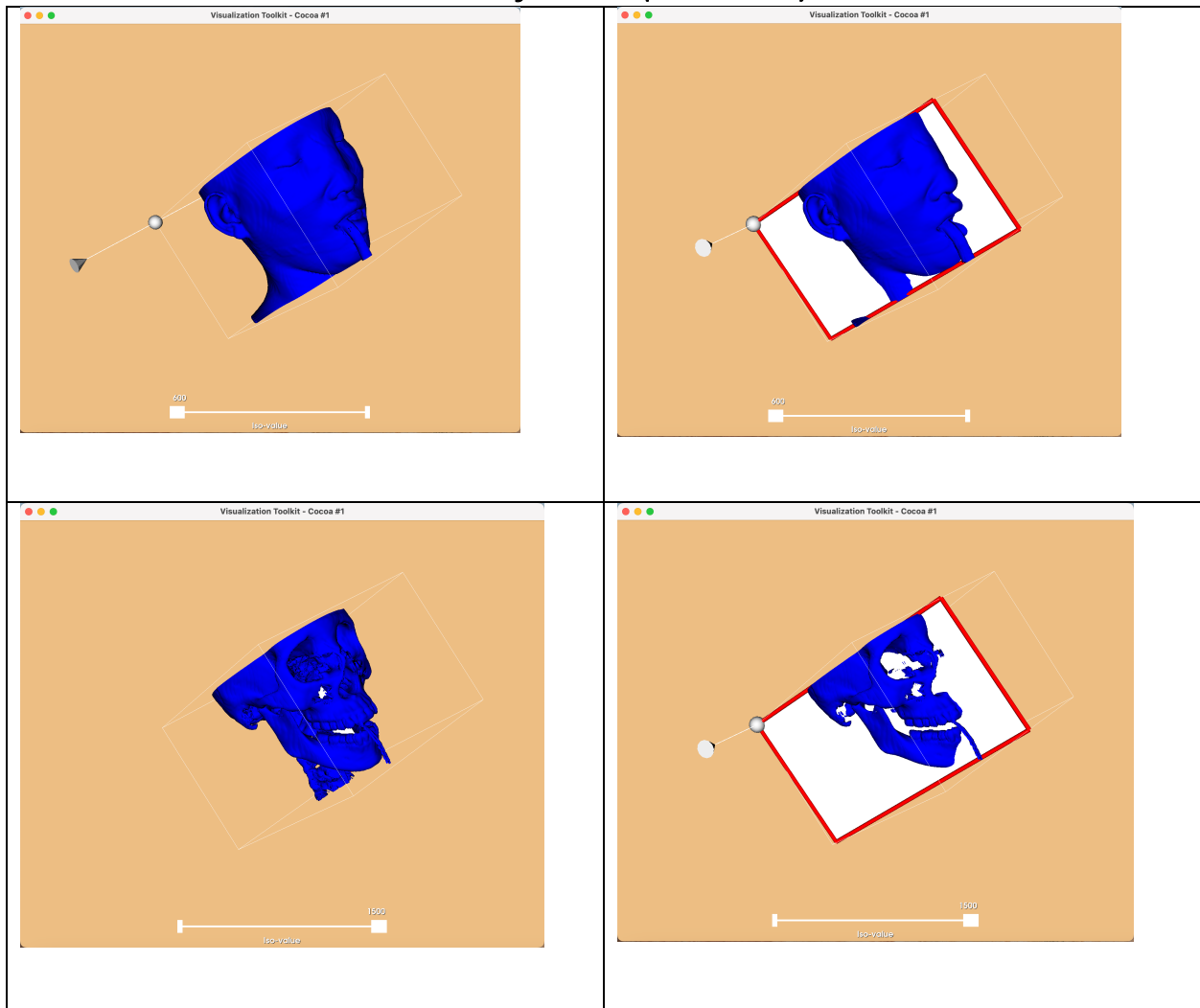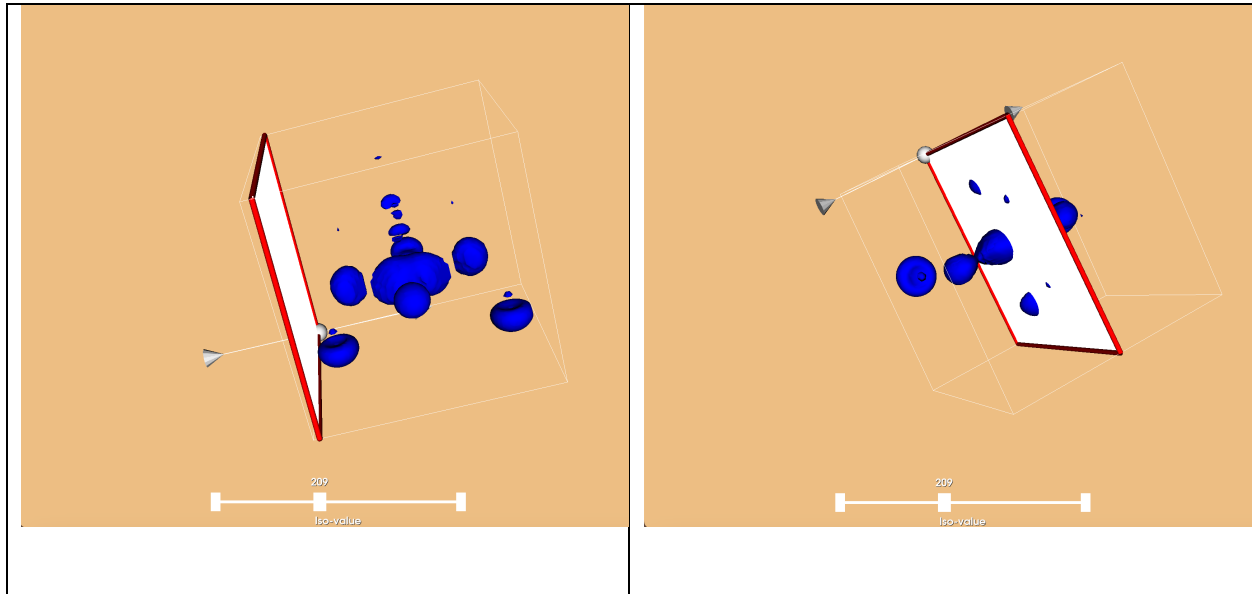
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Instructions:

1. All the datasets and python file required are in the folder

2. Run these python files in the terminal

3. Use code python -<filename.py>

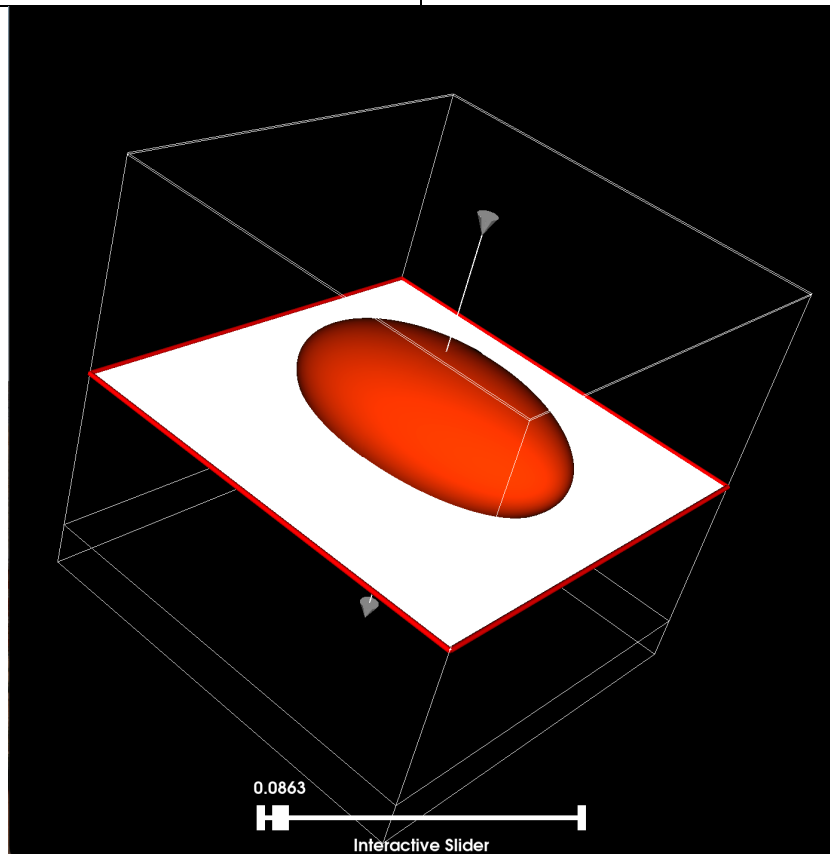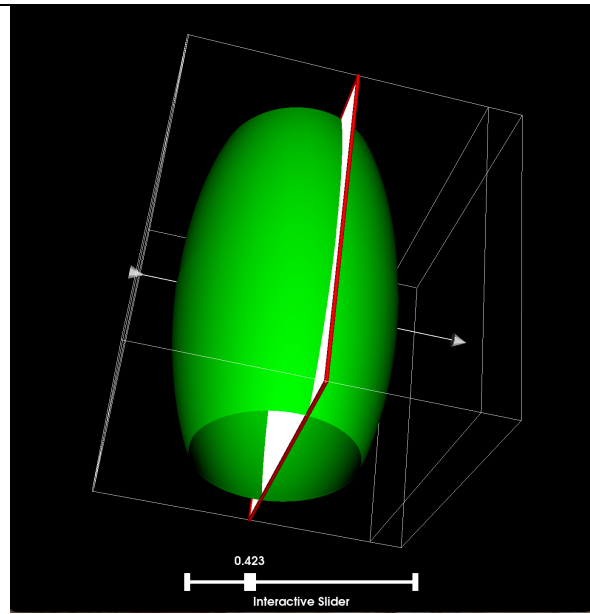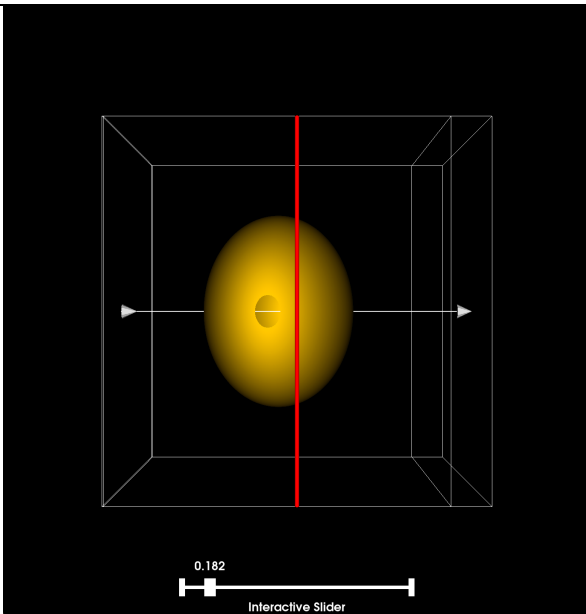4. And window would appear which will show the visualization.

The CT Head in Volume16 data format (attached).

An Iron Protein dataset in vtk format (attached).

A 1003 sampling data set of the quadratic function x^2 + 0.6y^2 + 0.2z^2 + 0.1xz + 0.2x.

References:

1. https://vtk.org/

2. https://kitware.github.io/vtk-examples/site/

3. http://www.princeton.edu/~efeibush/viscourse/vtk.pdf

4. https://formulae.brew.sh/formula/vtk

5. https://kitware.github.io/vtk-examples/site/Cxx/VisualizationAlgorithms/IronIsoSurface/

6. Class Slides