

ECE59500 Computer Graphics Assignment 1

Question 1:

Read teapot.poly information into arrays in your program and use OpenGL to display an orthographic projection of the teapot. Use a “wire frame” line drawing (no filled polygons).

The poly file has the following format:

- First line: <# of vertices>
- Second line: <# of faces>
- Following lines: v <x> <y> <z><nx><ny><nz>
- Following lines: <segment #>

The most important thing to notice about the .poly format is that the indices of vertices (references by the list of faces) start at *1*, not 0.

Question 2:

Use the teapot data from question 1, and generate an image with at least six teapots. These teapots should illustrate both rotations and translations of the original teapot image. Use a “wire frame” line drawing (no filled polygons).