

**CDS 301 Spring 2013**  
**Scientific Information and Data Visualization**

**Homework Assignment 5**

**Assignment Date: February 26, 2013**

**Due Date: March 05, 2013**

Let's start the visualization programming with C and OpenGL. Carefully study the program (1) "test.c" and (2) "cube.c". Compile and link the program with gcc, and generate the executable "test" and "cube", respectively. Run the executables to show the resulting images.

You need to (1) modify the "test.c" code, in order to generate the same mesh cube but with a blue color, and (2) modify the "cube.c" code, in order to generate the same solid cube but with a blue color.

**Submission: electronic submission only.** You only need to submit one file: a WORD or PDF document that contains the images of the original programs, and the new images of your modified programs. The images should have a short caption. Also provide a short description of the programs. There is no need to submit any source code or executables.

Resources: (1) The original source codes are at the homework page of the class website.  
(2) The instruction of running the programs are available at the resource page of the class website.