

ME171
Computer-Aided Engineering Design
Spring Term, 2001

Homework #0

Due: April 19, 2001

Modify the vtk script “strip.vtk” (available from the ME171 Web site) to display two squares, both centered at the origin. The smaller one should be one unit on a side, and the larger one should be 1.2 units on a side.

1. To run your script (for example, on the ECF machine zn):

```
{zn:1} vtk strip.vtk
```

2. Submit a hardcopy of your vtk script. The hardcopy must have your name (in a comment near the top of the file).
3. Submit a hardcopy of your plot. If you uncomment the two PPM lines in the script by removing the leading # character:

```
# renWin SetFileName "strip.ppm"  
# renWin SaveImageAsPPM
```

when you run the script it will produce a “strip.ppm” file. This file can be printed or converted to a PostScript file by using the program “xv”:

```
{zn:2} xv strip.ppm
```

4. In addition, submit an electronic version of your script, by copying it on any ECF machine to the directory

```
/home/cinyoung/ME171/hw0
```

The name of the script must be your username at the ECF, with a trailing “.vtk”
Please make sure that it can be read by everyone. The TA will be testing your scripts by running them.

To make sure things are perfectly clear, if your username is “joe” and you are submitting this assignment while logged-in to the ECF machine zn, you could use the following commands:

```
{zn:3} cp joe.vtk /home/cinyoung/ME171/hw0  
{zn:4} chmod o+r /home/cinyoung/ME171/hw0/joe.vtk
```

Class Web Page: <http://www.design.caltech.edu/Courses/ME171/>

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