HW 1 Computational Physics

August 23, 2005 Due August 30

Work through the Minimal Python tutorial (www.physics.ucf.edu/~mdj). Print at least one example from each section (defined by boldface titles such as "Using Python like a calculator"). For example, printing an interactive window showing the result of 4/3 would suffice for the first section.

Whenever possible explain your output: why does it show what it does?

The most difficult part of this will be plotting. If the plot routines built into scipy (plt, gplt, xplt) do not work immediately, I strongly recommend you try one of the first two methods described under "Plotting." The first and most basic method always works: save data to a file and use an external program (such as Excel) to read in and plot the data.

Please try to do this on the computer you intend to use all semester. That means getting Python and the extras installed. Please try quickly and email me any problems that crop up.