

Laboratory #4

Issued: Sep. 7, 2009

Due: (Section A) Sep 14, (B) Sep. 15, (C) Sep. 16, 2009

This lab explains how to make two dimensional plots in MATLAB.

Reading

All reading and problems for the laboratory come from *MATLAB: An Introduction with Applications* by A. Gilat

- Chapter 5 Two Dimensional Plots

You do not have to submit solutions for the sample problems, they are for your practice.

Notes

Pre-lab problems are due at the beginning of lab; regular problems are due at the end of lab but should be worked on before lab. If you need assistance with pre-lab problems, please contact teaching assistants or Prof. De Leon during office hours or by email.

Your solution to the lab should be a printout of the command you typed in or script and the answer or plot returned from MATLAB.

Plots should always include x - and y -axis labels (as well as units if applicable) and a plot title indicating the problem number or nature of the plot. Commands for labels and titles should reside in the script file used to generate the plot.

Pre-Lab Problems

- 1) For the Matlab command: `plot(x,y,'k;p')` what will the following properties of the plotted curve be:
 - a) Line Color:
 - b) Marker Type:
 - c) Line Style:
- 2) Describe the Matlab command 'subplot'.
- 3) Chapter 5: 1, 2, 12

Regular Problems

Chapter 5: 3, 7, 9, 15