

## Laboratory #6

Issued: Sep. 28, 2009

Due: (Section A) Oct. 5, (B) Oct. 6, (C) Oct. 7, 2009

This lab explains how to write and execute functions in MATLAB.

## Reading

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

- Chapter 6: User-Defined Functions and Function Files

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.

## Pre-Lab Problems

- 1) Write out the function declaration for a Matlab function with the following specifications:
  - function name: myfcn
  - input arguments: myarg0, myarg1, myarg2
  - output arguments: out0, out1
- 2) What is the book's recommendation for saving a function file which contains a function labeled 'myfcn'? Give the page number in the book where this is discussed.
- 3) Chapter 6: 2, 6, 19

## Regular Problems

Chapter 6: 11, 12, 13