

MATH 248 FALL 2017 – LABORATORY ASSIGNMENT 8 – Sochacki  
DUE: Thursday December 14, 2017

POINTS: 50 (OPTIONAL)

This assignment will use many of the tools we learned this semester. It will help you study for the final exam, also. In fact, some questions on the final will from this assignment.

You are to look through LABS 1-7 and choose one that you would like to work on again or more. You are to extend what was done in the LAB you choose to work on. You are to use what you have learned and studied this semester to improve the LAB, to give the LAB more options or to make the LAB more efficient.

Requirements:

- (1) You should have a two to three page write up on what you will do. This should include the mathematical and numerical analysis, including error analysis.
- (2) You should have matlab code(s) that are an extension of the matlab code you turned in for this LAB.
- (3) Your matlab codes should have variable names that are descriptive. Your coding should be top down and efficient. Make sure the number of calculations is minimized. Your input and output should be well labeled with easy to read instructions. Your turn in should be neat and professional.