Math 337 Project 1

For your first project you need to select Lab 1.3, 1.4, or 1.5 out of the text (at the end of the first chapter). Your final report is due at 4 PM on February 19th.

This is a group project with groups of 2 or 3. Once you have started on your project the membership of the group cannot change, so the first thing you should do is establish your group and make sure you will be able to work together. Once your group has been chosen, you need to let me know who is in your group and which lab you will be working on. Once you have told me which lab you plan to do, you may not change labs. Your group membership and choice of Lab are due by Feb. 7th. Each group will submit one report that all group members should have equal participation in creating. All members of the group will receive the same grade for this project. If you cannot find a group, please let me know and I will suggest other students who also need groupmates.

Your report should be no longer than 4 pages, including pictures, and should address all of the questions asked in the lab. Your pictures should be placed at the appropriate place in your report and not as an appendix at the end of the report. Your report should have a cover page that lists all group members names and which lab you worked on. As the textbook suggests, “one carefully chosen picture can be worth a thousand words, but a thousand pictures aren’t worth anything”. Your report should be written so that another student could understand your work and replicate your results. You should not write an algebraic procedure for the steps that you took, but rather you should outline the method used and justify any assumptions or decisions you made. You may summarize any numerical approximations used as long as you state all the conditions (such as initial values, step sizes, etc.). I have several example of good projects in my office for you to look at (the projects will not leave my office and cannot be copied).

All questions about the project should come to me. You should not be discussing your project with other groups. Remember that your work (computations and reports) throughout this project is subject to the university’s academic dishonesty policies, so make sure that the work you turn in is your own.