Final Project
Math 365, Spring 2013

Proposal due Monday April 22
Final project due Monday May 13th
Project presentations in class May 8th and May 13th (during our regularly scheduled final).

Project Proposal
Part of your final project is a project proposal. This is a one page write-up that includes in your proposal the names of the members of your group (at most two), a description of your proposal, the numerical methods you plan to use, the primary references that you will work from, and a statement about what possible conclusions you hope to draw from your project.

Submit your one page proposal to your Final Project Dropbox folder no later than April 22. Proposals submitted earlier will be read and returned earlier.
I’ll read over your proposal for approval and provide suggestions for improvement.

Final Project
Your final project will be a 3-5 page write-up (not including code) on the results of your project. Your write-up should include equations, graphs, and a bibliography. You may typeset your project using either \LaTeX (preferred!), Word or some other typesetting system that allows you to include equations, graphs and easily cite references. In addition to the typeset document, you may also include a webpage that provides supporting material such as links to internet based references, or any movies you create.

Your code can be included in an appendix or in a separate “Publish” document.

Please submit your write-up, code and optional supplementary webpage to your Final Project Dropbox folder by May 13th, 5PM at the latest. Projects submitted by Friday May 10th will be considered for bonus points.

Your final project will count for 20% of your final grade.

Project Presentations
During class time on May 8th or on May 13th, your group will give a 10-15 minute presentation of your final project.

Project Ideas
General examples of topics could come from the following general area:

1. Heat and mass transfer
2. Image processing
3. Detailed numerical investigation of one of the methods discussed in class
4. Thermodynamics or fluid dynamics
5. Geophysics or geosciences
6. Data analysis
7. Computer graphics and animation
8. Fractal design
9. Economics, financial math or business application
10. Any other area of scientific investigation - please let me know if you are having trouble finding a suitable topic.