

Guidelines for Homework Assignments

- You can use either your handwriting or a documentation preparation software for the homework. If you use your own handwriting, it has to be easily readable by the instructor.
- Please read problems carefully, thoroughly, and answer all the questions.
- For problems with theoretical proof, please be self-contained as much as possible; give enough details to justify your process.
- For programming part, present your results as you would do in a paper. You should list the problem set-up, the numerical method that you use, all the parameters, provide the solution and error plots, grid refinement analysis, etc. whenever they are applicable. However, do limit pages of your plots. Use *subplot* or other tools to put several figures together or on the same page. You should also label (title, xlabel, ylabel, legend etc.) all your plots. Give captions to all tables and figures.
- Usually it is not enough just provide plots, you should analyze and explain the results and plots.
- You need to submit your *compute code* to wofware:
<http://courses.ncsu.edu/ma587/>
You can go to
<http://wolfware.ncsu.edu/help/>
for help. However, your plots and analysis should be submitted as part of homework.