

Guidelines for Computer projects Math 512

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Students are graded in accordance with the quality and results of the assignments. The work is done in groups of four people but each student is responsible for understanding the work that they present. When the problem permits students should follow the following check list:

1. See that the method works correctly.

You should consider testing your program with simple sets of data. You may want to print out some intermediate results for debugging purposes. Verify that the results make sense. Vary parameters that influence the performance of the method. Obtain a set of raw results.

2. Written report. (less than 20 pages)

For your report please have ready a few pages that for each problem:

a) Very briefly state the problem, describe method and list input data. Condense and summarize the results into tables and graphs. Write conclusions, interpretation (analysis) of the results and their comparison with theory. Programs should be clearly written and include sufficient amount of comments.

b) Be ready to show your program running and answer a few questions about the code.

3. Power point Presentation

Summarize and present the important ideas, results and conclusions of your work. Usually graphs and tables are the best way to do this. Make sure that all members of your group participate in the presentation.