

The Art of Scientific Computation:

Final report

The end of semester is swiftly approaching! All things going well, you will be completing the essential requirements of the project and starting to investigate your own possible extensions. As such, the time has come to start planning your final subject report. (Think of it as a miniature MSc thesis.)

In short, your report should be written as a well-reasoned account for the work that you have done, with a brief background on the theory upon which it is based. You should focus on maintaining a scientific language, making adequate use of chapters and sections, referenced equations, labelled plots, clear diagrams, tables of data and bibliographic references.

This report will be due on Thursday, May 24th (Week 12), at 3:15. Please email a pdf copy of your report, along with your source code, to your group leader by this time – and be sure to ‘cc’ Roger in your email. We’d also like to see a printed report during Thursday’s class, please!

Structure of your report

Your report *must* be written in L^AT_EX, either with the aid of the LMS sample document or without. It must comprise the following:

- a dedicated title page,
- a chapter of introduction to the project (and what you were hoping to achieve),
- evidence that you have completed the warm-up problem,
- a summary of the main aspects of your project to be addressed, alongside your own results and a discussion of the significance of your findings,
- an outline of an extension to (or deviation from) the core project – also including any results you have calculated,
- a detailed account of at least one computational method that you used in your project (discuss this point with your leader), including a simple flowchart for the corresponding algorithm that you used (even if you actually just used an existing library routine),
- a bibliography of at least five references, to demonstrate that you have done a little independent reading on your topic. (Wikipedia absolutely does not constitute a reference!)

The formatting details of your report should be as follows:

- Between 15 and 20 pages in total.
- An A4 page layout with 10.5pt font using the ‘**report**’ document class.
- A margin no larger than 2cm.