It is about time in the semester (1st March) to start the class project. Your course project will be of a computational or mathematical nature and related to one (or more) of the top-ten algorithms. Each student should have a project (hopefully tailored to their taste) and produce a carefully typeset report before the 4th of May. Doing a project is a requirement if you are taking the course for credit. If you are auditing the course, then you are more than welcome to do a course project for fun too.

In addition to the written-part of the project you will give a very short (≈ 5-10 minute) in-class presentation. I have reserved the classes on the 2nd and 4th of May for this.

Expectations for the written project:

• Clearly typeset (e.g. LaTeX), typo-free, and concise,

• Approximately 5-7 pages long,

• It can be highly related to your research (if appropriate), but avoid recycling old work/papers because you won’t learn anything new that way,

• It does not have to be suitable for publication or research-level, but it must be a piece of work that you are proud of, and

• It should contain some significant mathematical derivation or numerical computational. (It must be a scientific report.)

Expectations for the in-class presentation:

• A short presentation that summarizes the ideas in your written project,

• An accessible presentation for your peers,

• Slides or a chalkboard talk are fine.

I hesitate to suggest projects because I do not know what you are interested in. However, you are more than welcome to tell me your project idea or ask for advice.

Important: Design a project that has stepping stones of success and build the project up from smaller pieces to a glorious final product.