First homework (10%)

- Inform yourself in the internet about
  - LINPACK
  - TOP 500
  - what is the LINPACK performance of your own PC/Laptop and predict how long will it therefore take to solve a dense system on your PC with N=1000 unknowns.

- Starting from there search for web sites with information on
  - computer performance and its evolution
  - benchmarking computer performance for scientific comp.
  - critique of LINPACK and TOP 500
  - technological trends

- Summarize your findings in an essay
  - with $2 \leq p \leq 4$ pages, and
  - submit as pdf file, due date Jan 25.
  - use e-mail to: ulrich.ruede@fau.de