Lecture 9, Sci. Comp. for DPhil Students

Nick Trefethen, Tuesday 13.11.18

Today

- Demonstration of Chebfun

Handouts

- Chebfun demo sheet

Announcements

- Assignment 2 returned at end of hour

Chebfun is an open-source software package for numerical computing with functions. The idea is to overload Matlab's vectors and matrices to functions and operators. See See `www.chebfun.org`.

Among other things, Chebfun provides the most convenient tool available for finding roots of functions and solving ODE boundary-value problems.