



UNIVERSITY OF
CAMBRIDGE

Computer Laboratory

Computer Science Tripos
Part IB [P]
Part II General [C]
Diploma in Computer Science [D]

Floating-Point Computation

<http://www.cl.cam.ac.uk/Teaching/0708/FPComp/>

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2007/08 (Michaelmas Term)

Overview for the 2007/08 course

This is a new-ish course, mainly covering a subset of the material from the previous “Numerical Analysis I” course lectured in 2005/06 by Mike O’Donohoe with course web-site:

<http://www.cl.cam.ac.uk/Teaching/0506/NumAnI/>

However, the emphasis is different in the new course, and there are a small number of new topics.

Note that you do *not* have to understand all of Mike O’Donohoe’s notes; they are provided for supplementary reading only. Remember that in Tripos courses here can only examine topics which were covered in *lectures*.

The notes this year consist of this cover sheet, Mike O’Donohoe’s course notes from 2005 and a set of copies of the slides presented in lectures. There will also be a set of demonstration programs, exercises and pointers to possible Tripos questions placed on the course web site:

<http://www.cl.cam.ac.uk/Teaching/0708/FPComp/>

The book “Numerical Computing with IEEE Floating Point Arithmetic” by Michael Overton (SIAM press, 2001) largely parallels the course and has many illuminating examples and sample programs.

Alan Mycroft
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