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James Blowey • Max Jensen
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Frontiers in Numerical Analysis - Durham 2010

 Springer

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ISSN 1439-7358
ISBN 978-3-642-23913-7 e-ISBN 978-3-642-23914-4
DOI 10.1007/978-3-642-23914-4
Springer Heidelberg Dordrecht London New York

Library of Congress Control Number: 2011944196

Mathematics Subject Classification (2010): 65N30, 65N15, 65N25, 65N55, 78M10, 92C35

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Printed on acid-free paper

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Preface

The Twelfth LMS-EPSRC Summer School in Computational Mathematics and Scientific Computation was held at the University of Durham, UK, from the 25th to the 31st of July 2010. This was the fourth of these schools to be held in Durham, having previously been hosted by the University of Lancaster and the University of Leicester. The purpose of the summer school was to present high quality instructional courses on topics at the forefront of computational mathematics and scientific computing research to postgraduate students.

This volume presents written contributions from each of the speakers. In all cases, these contributions are more comprehensive versions of the lecture notes which were distributed to participants during the meeting.

At the time of writing it is now more than two years since we first contacted the guest speakers and during that period they have given significant portions of their time to making the summer school, and this volume, a success. We would like to thank all four of them for the care which they took in the preparation and delivery of their lectures. The main speakers were Daniele Boffi, Susanne Brenner, Professor Peter Monk and Paolo Zunino.

Instrumental to the school were the two tutors who ran a very successful tutorial programme (Richard Norton & Angela Mihai). There was also a successful programme of contributed talks from six students in the afternoon. The UKIE section of SIAM contributed prizes for the best talks given by graduate students. The invited speakers took on the bulk of the task of judging these talks. After careful and difficult consideration the prizes were awarded to Edward Tucker (Imperial College) and Alexander Raisch (Bonn University.) The general quality of the student presentations was impressively high promising a vibrant future for the subject.

The audience consisted of forty-three research students from within the UK and Europe. As always, one of the most important aspects of the summer school was proving a forum for UK numerical analysts, both young and old, to meet for an extended period and exchange ideas.

Durham
June 2011

James F. Blowey
Max P.J. Jensen

Acknowledgements

We thank the LMS and the Engineering and Physical Sciences Research Council for their financial support which covered all the costs of the main speakers, tutors, plus the accommodation costs of the participants.

We would also like to thank the Grey College for their hospitality in hosting the participants, the Maths Secretaries for their support and our families for supporting our efforts.

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