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Edited by James C. Robinson, José L. Rodrigo and Witold Sadowski

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# Mathematical Aspects of Fluid Mechanics

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## Preface

This volume is the result of a workshop, “Partial Differential Equations and Fluid Mechanics”, which took place in the Mathematics Institute at the University of Warwick, June 15th–19th, 2010.

Several of the speakers agreed to write review papers related to their contributions to the workshop, while others have written more traditional research papers. We believe that this volume therefore provides an accessible summary of a wide range of active research topics, along with some exciting new results, and we hope that it will prove a useful resource for both graduate students new to the area and to more established researchers.

We would like to express their gratitude to the following sponsors of the workshop: the London Mathematical Society, EPSRC (via a conference grant EP/I001050/1), and the Warwick Mathematics Department. JCR is currently supported by an EPSRC Leadership Fellowship (grant EP/G007470/1).

Finally it is a pleasure to thank Yvonne Collins and Hazel Higgs from the Warwick Mathematics Research Centre for their assistance during the organization of the workshop.

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