



Rolf Rannacher, Adélia Sequeira (Eds.)

Advances in Mathematical Fluid Mechanics

Dedicated to Giovanni Paolo Galdi on the Occasion of his 60th Birthday

The present volume celebrates the 60th birthday of Professor Giovanni Paolo Galdi and honors his remarkable contributions to research in the field of Mathematical Fluid Mechanics. The book contains a collection of 35 peer reviewed papers, with authors from 20 countries, reflecting the worldwide impact and great inspiration by his work over the years. These papers were selected from invited lectures and contributed talks presented at the International Conference on Mathematical Fluid Mechanics held in Estoril, Portugal, May 21–25, 2007 and organized on the occasion of Professor Galdi's 60th birthday. We express our gratitude to all the authors and reviewers for their important contributions. Professor Galdi devotes his career to research on the mathematical analysis of the Navier-Stokes equations and non-Newtonian flow problems, with special emphasis on hydrodynamic stability and fluid-particle interactions, impressing the worldwide mathematical communities with his results. His numerous contributions have laid down significant milestones in these fields, with a great influence on interdisciplinary research communities. He has advanced the careers of numerous young researchers through his generosity and encouragement, some directly through intellectual guidance and others indirectly by pairing them with well chosen senior collaborators. A brief review of Professor Galdi's activities and some impressions by colleagues and friends are included here.

2010, XXV, 657 p.

Printed book

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169,99 € | £149.99 | \$219.99

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