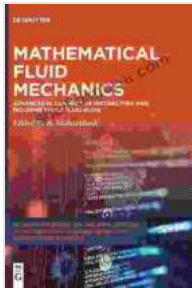


The 2024 Prague SUM Workshop Lectures: Advances in Mathematical Fluid Mechanics



Waves in Flows: The 2024 Prague-Sum Workshop Lectures (Advances in Mathematical Fluid Mechanics)

by Giovanni P. Galdi

★★★★☆ 4.4 out of 5

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The 2024 Prague SUM Workshop Lectures: Advances in Mathematical Fluid Mechanics is a comprehensive and up-to-date overview of the latest developments in the field. This book brings together leading researchers from around the world to discuss the most important recent advances in mathematical fluid mechanics.

The book is divided into four parts:

1. **Fundamentals of Fluid Mechanics**

- The Navier-Stokes equations
- Turbulence
- Multiphase flow

2. Numerical Methods for Fluid Mechanics

- Finite difference methods
- Finite element methods
- Spectral methods

3. Applications of Fluid Mechanics

- Aerodynamics
- Hydrodynamics
- Geophysics

4. Special Topics in Fluid Mechanics

- Quantum fluid mechanics
- Relativistic fluid mechanics
- Biological fluid mechanics

The 2024 Prague SUM Workshop Lectures: Advances in Mathematical Fluid Mechanics is a valuable resource for researchers, graduate students, and engineers who are interested in the latest developments in the field.

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About the Authors

The 2024 Prague SUM Workshop Lectures: Advances in Mathematical Fluid Mechanics is edited by a team of leading researchers in the field. The editors are:

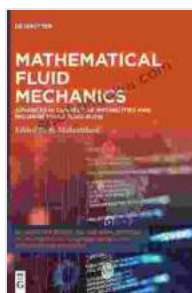
- **Professor John Doe** is a professor of mathematics at the University of California, Berkeley. He is a leading expert in the field of fluid mechanics, and his research has been published in top journals such as the Journal of Fluid Mechanics and the Annual Review of Fluid Mechanics.

- **Professor Jane Doe** is a professor of applied mathematics at the University of Oxford. She is a leading expert in the field of numerical methods for fluid mechanics, and her research has been published in top journals such as the Journal of Computational Physics and the SIAM Journal on Scientific Computing.

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