



IUTAM Symposium on Turbulence in the Atmosphere and Oceans [Proceedings of the IUTAM Symposium on Turbulence in the Atmosphere and Oceans, Cambridge, UK, December 8 \2500 12, 2008 /

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Springer Netherlands,
2010

Monografía

This book stems from the IUTAM symposium \201CRotating Stratified Turbulence and Turbulence in the Atmosphere and Oceans\201D which took place at the Isaac Newton Institute for Mathematical Sciences in Cambridge from 8 to 12 December 2008, and came at the end of a four-month Programme on \201CHigh Reynolds Number Turbulence\201D. This symposium, widely attended by researchers from around the world, aimed to better understand the complex nature of fluid flows found in Nature, particularly in the Earth\2019s atmosphere and oceans, but also in other planetary atmospheres and in the Sun\2019s interior. Talks covered a broad range of subjects, from theoretical studies of fundamental vortex interactions, to laboratory experiments and observations, and to state-of-the-art computational studies. The present volume presents a cross-section of the research presented at the symposium, or in some cases, of the research inspired by it. Herein, 23 peer-reviewed papers are collected (39 talks were presented). The research is loosely divided into four main topics: (1) Waves and Imbalance, (2) Turbulence and Convection, (3) Instability and Vortex Dynamics, and (4) Jets: Formation and Structure

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Título: IUTAM Symposium on Turbulence in the Atmosphere and Oceans Recurso electrónico-En línea]
Proceedings of the IUTAM Symposium on Turbulence in the Atmosphere and Oceans, Cambridge, UK, December 8 \2500 12, 2008 edited by David Dritschel

Editorial: Dordrecht Springer Netherlands 2010

Descripción física: XXII, 298 p. digital

Tipo Audiovisual: Geography Meteorology Oceanography Computer simulation Computer science Earth Sciences Meteorology/Climatology Oceanography Simulation and Modeling Computational Science and Engineering Fluid- and Aerodynamics

Mención de serie: IUTAM Bookseries 1875-3507 28

Documento fuente: Springer eBooks

Nota general: Engineering (Springer-11647)

Restricciones de acceso: Accesible sólo para usuarios de la UPV

Tipo recurso electrónico: Recurso a texto completo

Detalles del sistema: Forma de acceso: Web

ISBN: 9789400703605

Entidades: SpringerLink (Servicio en línea)

Enlace a formato físico adicional: Printed edition 9789400703599

Punto acceso adicional serie-Título: IUTAM Bookseries 1875-3507 28

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