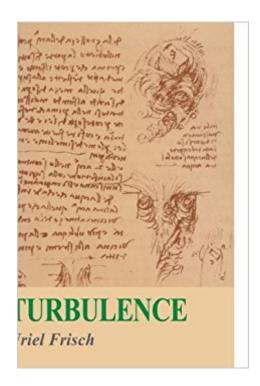


The book was found

Turbulence: The Legacy Of A. N. Kolmogorov





Synopsis

Written five centuries after the first studies of Leonardo da Vinci and half a century after A.N. Kolmogorov's first attempt to predict the properties of flow, this textbook presents a modern account of turbulence, one of the greatest challenges in physics. "Fully developed turbulence" is ubiquitous in both cosmic and natural environments, in engineering applications and in everyday life. Elementary presentations of dynamical systems ideas, probabilistic methods (including the theory of large deviations) and fractal geometry make this a self-contained textbook. This is the first book on turbulence to use modern ideas from chaos and symmetry breaking. The book will appeal to first-year graduate students in mathematics, physics, astrophysics, geosciences and engineering, as well as professional scientists and engineers.

Book Information

Paperback: 312 pages

Publisher: Cambridge University Press; 1 edition (January 26, 1996)

Language: English

ISBN-10: 0521457130

ISBN-13: 978-0521457132

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 3 customer reviews

Best Sellers Rank: #405,455 in Books (See Top 100 in Books) #110 in Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics #1255 in Books > Textbooks > Science

& Mathematics > Physics #4789 in Books > Science & Math > Physics

Customer Reviews

"This is a work of great scholarship....This book belongs in the library of any college or university where physics is taught. It can productively be used as a reference in advanced undergraduate courses or as a text for a one-semester course on turbulence itself." Russell J. Donnelly, Physics Today

Presenting a modern account of turbulence for graduate students as well as professionals, this textbook is written five centuries after the first studies of Leonardo da Vinci and half a century after A.N. Kolmogorov's first attempt to predict the properties of flow.

Excellent book as an introduction to turbulence

Best modern book on turbulence.

I actually bought this book as suggested by a friend, and I found it to be interesting and well written. In my opinion, the author presents a nice overview of the aspects of turbulence theory which are closer to his own experience: in this sense the book is a sort of 'autobiographic picture' of turbulence, not a textbook. However I really appreciated it, probably because I share many of Frisch's opinion, and was really enlightened by some of the historical (and philosophical) considerations. A must for the practitioner.

Download to continue reading...

Turbulence: The Legacy of A. N. Kolmogorov Subaru Legacy & Forester: Legacy 2000 thru 2009 - Forester 2000 thru 2008 - Includes Legacy Outback and Baja (Haynes Repair Manual) Burn for Me: A Hidden Legacy Novel (Hidden Legacy series, Book 1) (Hidden Legacy Novels) Turbulence Wake Turbulence: An Obstacle to Increased Air Traffic Capacity The Misbehavior of Markets: A Fractal View of Financial Turbulence Sedimentology and Sedimentary Basins: From Turbulence to Tectonics The Sharing Knife, Vol. 2: Legacy (Legacy (Blackstone Audio)) The Virgin's Spy: A Tudor Legacy Novel (Tudor Legacy Trilogy Book 2) The Virgin's Daughter: A Tudor Legacy Novel (Tudor Legacy Trilogy Book 1) Deep in the Heart: Lone Star Legacy, Book 1 (LoneStar Legacy) Legacy of Dragonwand: Book 1 (Legacy of Dragonwand Trilogy) Legacy of Dragonwand: Book 2 (Legacy of Dragonwand Trilogy) Legacy of Dragonwand Trilogy) Girls Day Out: A Syrena Legacy Story (The Syrena Legacy) Legacy Lost: A Tor.Com Original (The Syrena Legacy) A Legacy of Spies: A Novel Mansfield Plantation: A Legacy on the Black River (Landmarks) Historic Preservation: Caring for Our Expanding Legacy North Pole Legacy: Black, White, and Eskimo

Contact Us

DMCA

Privacv

FAQ & Help