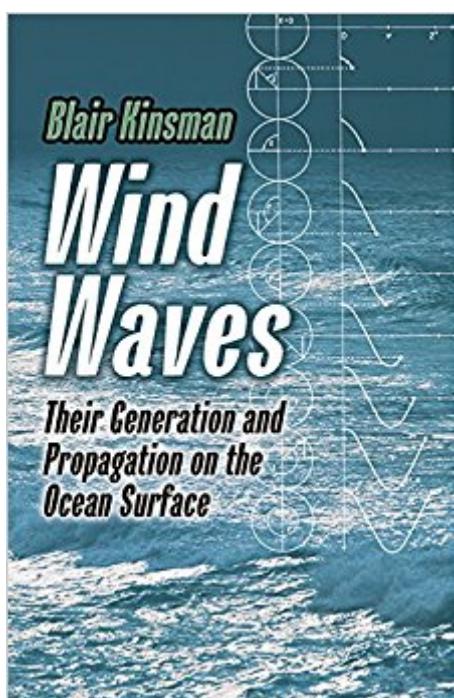


The book was found

Wind Waves: Their Generation And Propagation On The Ocean Surface (Dover Earth Science)



Synopsis

In this classic study, a renowned student of ocean wave theory examines the data requirements and details of the power spectral analysis required to make the wave revolution intelligible. Although the discussions center on waves, once the techniques are understood, they can be applied to many other areas. After outlining the nature of waves and wave processes and their methods of measurement and classification, the author provides a detailed exploration that relies heavily on mathematical models. Topics include perturbations of irrotational motion, energy considerations, wave generations by wind, and much more. The text is enhanced and clarified by 270 photos, figures, and tables. A helpful bibliography and indexes conclude this indispensable addition to the oceanographer's library.

Book Information

Series: Dover Earth Science

Paperback: 704 pages

Publisher: Dover Publications (July 17, 2012)

Language: English

ISBN-10: 0486646521

ISBN-13: 978-0486646527

Product Dimensions: 5.4 x 1.2 x 8.4 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 4 customer reviews

Best Sellers Rank: #629,471 in Books (See Top 100 in Books) #128 in Books > Science & Math > Physics > Waves & Wave Mechanics #255 in Books > Science & Math > Nature & Ecology > Oceans & Seas > Oceanography #440 in Books > Science & Math > Physics > Mechanics

Customer Reviews

Fantastic book. It's worth the price just for the footnotes. From what I understand (not an expert) some of the more advanced technical content is a bit dated at this point, but the basic stuff hasn't changed in many decades. Stokes is still Stokes...

This book about talks about the generation and propagation of wind waves on the ocean surface. This is a classical book, which is useful to understand the generation of different type of waves.

This book, on the mathematics of the generation and propagation of waves on the ocean was

introduced to me while I worked at the Point Mugu, Naval Air Station 40 years ago, as a Mathematician whose job it was to "score" test fired Missile shots off the nearby California islands. I have re-read it just to write this review. It is a rare mathematical treat indeed, as it seamlessly and painlessly introduces a very complex topic with ease and grace; and then it gradually ascends to rather incredible mathematical complexity. Altogether the book is so well "put together" that it is almost poetic in its discourse. It covers all aspects of the wave propagation phenomenon and introduces several variant formulations, from "solutions by addition," to full-scale Fourier Transforms, and everything in between, all of which are fully developed and illustrated with examples in three-dimensional graphics. The first edition was published in 1965, and by now is a well-deserved collector's item. It is one of the few mathematics books, that is a member of my hall of fame of books. Ten Stars

This book had been sitting on my shelf for close to 20 years before I picked it up recently for a project. One of the most useful aspects of this wonderful book is the detailed outlining of long-unavailable classic papers by Pierson, Tick, Sverdrup, Munk, Neumann, and other early practitioners and developers of random wave theories. The amount of detail offered is tremendous, and the literary style is as clear as those of the writers who Kinsman no doubt admired. Furthermore, the amount of detail and explanation is unusual for what is a highly mathematical treatment of this theory. I'm chagrined that I haven't thought to look into using this book earlier, as I think it would have saved me a lot of blind stumbling in earlier work. Finally, the book itself lays out all the topic material in a delightful, "you-are-there" narrative. Much of it is as enjoyable as a good history book, and Kinsman makes his love of "private science" (the individual thought processes by which scientists make their discoveries) apparent. As someone who works in waves, I have a ton of wave books. This is the only one I pick up for both detailed study and casual reading.

[Download to continue reading...](#)

Wind Waves: Their Generation and Propagation on the Ocean Surface (Dover Earth Science)
Planting and Establishment of Tropical Trees: Tropical Trees: Propagation and Planting Manuals (Tropical Trees, Propagation and Planting Manuals Series)
Wind Power Generation And Distribution (Art and Science of Wind Power)
The Reference Manual of Woody Plant Propagation: From Seed to Tissue Culture : A Practical Working Guide to the Propagation of over 1100 Species, Va
Optical Waves in Crystals: Propagation and Control of Laser Radiation
Off-Grid Living: How To Build Wind Turbine, Solar Panels And Micro Hydroelectric Generator To Power Up Your House: (Wind Power, Hydropower, Solar Energy, Power Generation)
Cash in the Wind: How to Build a Wind Farm Using

Skystream and 442SR Wind Turbines for Home Power Energy Net-Metering and Sell Electricity Back to the Grid Cash In The Wind: How to Build a Wind Farm with Skystream and 442SR Wind Turbines for Home Power Energy Net Metering and Sell Electricity Back to the Grid Wind Power Basics: The Ultimate Guide to Wind Energy Systems and Wind Generators for Homes Ocean County NJ Atlas (Hagstrom Ocean County Atlas) (Hagstrom Ocean County Atlas Large Scale Edition) New Waves in Philosophical Logic (New Waves in Philosophy) New Waves in Epistemology (New Waves in Philosophy) Surface Wave Methods for Near-Surface Site Characterization Erosion: Changing Earth's Surface (Amazing Science) The Art of Seamanship: Evolving Skills, Exploring Oceans, and Handling Wind, Waves, and Weather (International Marine-RMP) Manual of Woody Landscape Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Titanium in Medicine: Material Science, Surface Science, Engineering, Biological Responses and Medical Applications (Engineering Materials) Making Waves: Sound : Sound (Everyday Science): Sound (Everyday Science) The Book of Lullabies: Wonderful Songs and Rhymes Passed Down from Generation to Generation for Infants & Toddlers (First Steps in Music series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)