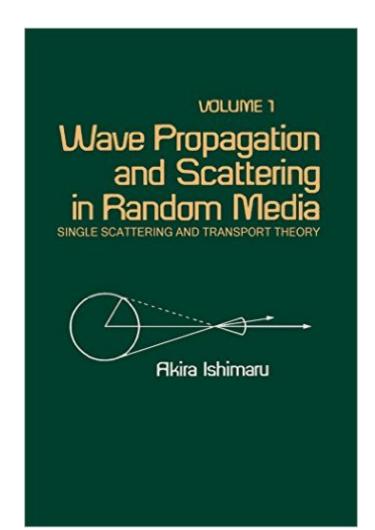
The book was found

Wave Propagation And Scattering In Random Media: 001





Synopsis

Wave Propagation and Scattering in Random Media, Volume 1: Single Scattering and Transport Theory presents the fundamental formulations of wave propagation and scattering in random media in a unified and systematic manner, as well as useful approximation techniques applicable to a variety of different situations. The emphasis is on single scattering theory and transport theory. The reader is introduced to the fundamental concepts and useful results of the statistical wave propagation theory. This volume is comprised of 13 chapters, organized around three themes: waves in random scatterers, waves in random continua, and rough surface scattering. The first part deals with the scattering and propagation of waves in a tenuous distribution of scatterers, using the single scattering theory and its slight extension to explain the fundamentals of wave fluctuations in random media without undue mathematical complexities. Many practical problems of wave propagation and scattering in the atmosphere, oceans, and other random media are discussed. The second part examines transport theory, also known as the theory of radiative transfer, and includes chapters on wave propagation in random particles, isotropic scattering, and the plane-parallel problem. This monograph is intended for engineers and scientists interested in optical, acoustic, and microwave propagation and scattering in atmospheres, oceans, and biological media.

Book Information

File Size: 23450 KB Print Length: 270 pages Publisher: Academic Press (June 11, 2013) Publication Date: June 11, 2013 Sold by: Â Digital Services LLC Language: English ASIN: B01D4OA904 Text-to-Speech: Not enabled X-Rav: Not Enabled Word Wise: Not Enabled Lending: Not Enabled Enhanced Typesetting: Not Enabled Best Sellers Rank: #1,173,671 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #75 in A Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Waves & Wave Mechanics #422 in A Books > Science & Math > Physics > Waves & Wave Mechanics

Download to continue reading ...

Wave Propagation and Scattering in Random Media: 001 Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in Condensed Matter) Antennas and Wave Propagation Magnetics, Dielectrics, and Wave Propagation with MATLABA ® Codes Analysis and Modeling of Radio Wave Propagation Random House Webster's Word Menu (Random House Newer Words Faster) Radiative Transfer in Scattering and Absorbing Atmospheres: Standard Computational Procedures (Studies in geophysical optics and remote sensing) Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles Molecular Light Scattering and Optical Activity Molecular Light Scattering and Opitical Activity Methods of X-ray and Neutron Scattering in Polymer Science (Topics in Polymer Science) Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Absorption and Scattering of Light by Small Particles Biomedical Applications of Light Scattering (McGraw-Hill Biophotonics) Dynamic Light Scattering: Applications of Photon Correlation Spectroscopy Light Scattering by Small Particles (Dover Books on Physics) 1,001 Heart Healthy Recipes: Quick, Delicious Recipes High in Fiber and Low in Sodium and Cholesterol That Keep You Committed to Your Healthy Lifestyle 1,001 Heart Healthy Recipes: Quick, Delicious Recipes High in Fiber and Low in Sodium and Cholesterol That Keep You Committed to The Ultimate Book of Dad Jokes: 1,001+ Punny Jokes Your Pops Will Love Telling Over and Over and Over... 1,001 Low-Carb Recipes: Hundreds of Delicious Recipes from Dinner to Dessert That Let You Live Your Low-Carb Lifestyle and Never Look Back

<u>Dmca</u>