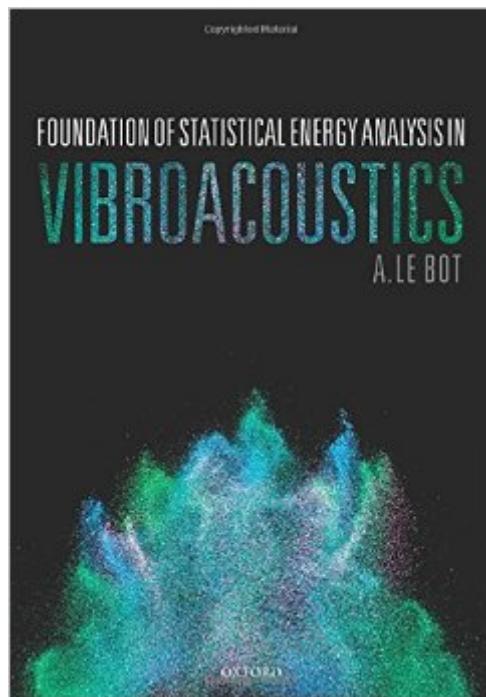


The book was found

Foundation Of Statistical Energy Analysis In Vibroacoustics



Synopsis

This book provides an in-depth study of the foundations of statistical energy analysis, with a focus on examining the statistical theory of sound and vibration. In the modal approach, an introduction to random vibration with application to complex systems having a large number of modes is provided. For the wave approach, the phenomena of propagation, group speed, and energy transport are extensively discussed. Particular emphasis is given to the emergence of the diffuse field, the central concept of the theory. All important notions are gradually introduced---making the text self-contained---to lead the reader to the ultimate result of 'coupling power proportionality' and the concept of 'vibrational temperature'. Further key topics include the analogy between thermodynamics and sound vibration. Applications are concerned with random vibration in mass--spring resonators, strings, beams, rods, and plates but also reverberation in room acoustics, radiation of sound, and sound response.

Book Information

Hardcover: 352 pages

Publisher: Oxford University Press; 1 edition (July 28, 2015)

Language: English

ISBN-10: 0198729235

ISBN-13: 978-0198729235

Product Dimensions: 9.8 x 0.9 x 6.9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,680,133 in Books (See Top 100 in Books) #109 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics #1312 in Books > Science & Math > Physics > Acoustics & Sound #2031 in Books > Science & Math > Physics > Mathematical Physics

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

Foundation of Statistical Energy Analysis in Vibroacoustics Reiki: The Healing Energy of Reiki - Beginner's Guide for Reiki Energy and Spiritual Healing: Reiki: Easy and Simple Energy Healing Techniques Using the ... Energy Healing for Beginners Book 1) Implementing Cisco IP Telephony and Video, Part 2 (CIPTV2) Foundation Learning Guide (CCNP Collaboration Exam 300-075 CIPTV2) (3rd Edition) (Foundation Learning Guides) Learning AV Foundation: A Hands-on Guide to Mastering the AV Foundation Framework Weeds of the South (Wormsloe Foundation Nature Book)

(Wormsloe Foundation Nature Book Ser.) Elementary Stochastic Calculus With Finance in View (Advanced Series on Statistical Science & Applied Probability, Vol 6) (Advanced Series on Statistical Science and Applied Probability) Thermodynamics With Quantum Statistical Illustrations. Monographs in Statistical Physics and Thermodynamics, Volume 2 Biostatistics: A Foundation for Analysis in the Health Sciences Statistical Analysis of fMRI Data (MIT Press) Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) Introductory R: A Beginner's Guide to Data Visualisation, Statistical Analysis and Programming in R Design and Analysis of Reliability Studies: The Statistical Evaluation of Measurement Errors Statistical Analysis with Missing Data The Statistical Analysis of Failure Time Data Graphics for Statistics and Data Analysis with R (Chapman & Hall/CRC Texts in Statistical Science) Modeling and Analysis of Stochastic Systems, Second Edition (Chapman & Hall/CRC Texts in Statistical Science) How Many Subjects?: Statistical Power Analysis in Research Statistical Analysis of Network Data with R (Use R!) Statistical Analysis Techniques in Particle Physics: Fits, Density Estimation and Supervised Learning Statistical Analysis of Network Data: Methods and Models (Springer Series in Statistics)

[Dmca](#)