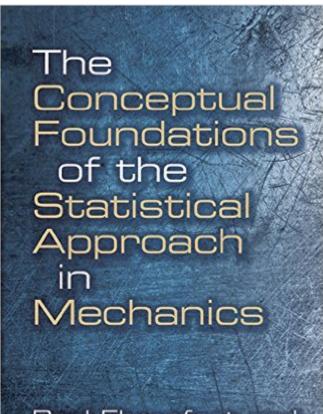
The book was found

The Conceptual Foundations Of The Statistical Approach In Mechanics (Dover Books On Physics)



Paul Ehrenfest and Tatiana Ehrenfest



Synopsis

In this concise classic, Paul Ehrenfest â • one of the twentieth century's greatest physicists â • reformulated the foundations of the statistical approach in mechanics. Originally published in 1912, this classic has lost little of its scientific and didactic value, and is suitable for advanced undergraduate and graduate students of physics and historians of science.Part One describes the older formulation of statistico-mechanical investigations (kineto-statistics of the molecule). Part Two takes up the modern formulation of kineto-statistics of the gas model, and Part Three explores W. B. Gibbs's major work, Elementary Principles in Statistical Mechanics and its coverage of such topics as the problem of axiomatization in kineto-statistics, the introduction of canonical and microcanonical distributions, and the analogy to the observable behavior of thermodynamic systems. The book concludes with the authors' original notes, a series of useful appendixes, and a helpful bibliography.

Book Information

Series: Dover Books on Physics Paperback: 128 pages Publisher: Dover Publications (February 18, 2015) Language: English ISBN-10: 0486662500 ISBN-13: 978-0486662503 Product Dimensions: 5.4 x 0.3 x 8.4 inches Shipping Weight: 1.6 ounces (View shipping rates and policies) Average Customer Review: 5.0 out of 5 stars Â See all reviews (1 customer review) Best Sellers Rank: #1,306,743 in Books (See Top 100 in Books) #37 in Books > Engineering & Transportation > Engineering > Aerospace > Gas Dynamics #812 in Books > Science & Math > Physics > Mechanics #920 in Books > Science & Math > Physics > Mathematical Physics

Customer Reviews

Excelent text by the Ehrenfest's clearing up the subject by 1912. A must by Dover for those starting on Stat. Mech.

Download to continue reading ...

The Conceptual Foundations of the Statistical Approach in Mechanics (Dover Books on Physics) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Conceptual Physics : The High School Physics Program Kinetic theory of gases,: With an introduction to statistical mechanics, (International series in physics) Statistical Mechanics (Advanced Texts in Physics) Conceptual Foundations of Occupational Therapy Practice Physics for Scientists and Engineers, Vol. 1: Mechanics, Oscillations and Waves, Thermodynamics (Physics for Scientists & Engineers, Chapters 1-21) Introduction to Modern Statistical Mechanics Statistical Mechanics, Kinetic Theory and Stochastic Process Statistical Mechanics, Third Edition Statistical Mechanics of Learning Genetics: A Conceptual Approach, 4th Edition Physics for Scientists & Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Nutritional Foundations and Clinical Applications: A Nursing Approach, 5e (Foundations and Clinical Applications of Nutrition) Thermodynamics and the Kinetic Theory of Gases: Volume 3 of Pauli Lectures on Physics (Dover Books on Physics) Atomic Physics and Human Knowledge (Dover Books on Physics) Introduction to the Mathematical and Statistical Foundations of Econometrics (Themes in Modern Econometrics) Physics for Scientists and Engineers: A Strategic Approach with Modern Physics (2nd Edition) Statistical Physics of Fields Statistical Method from the Viewpoint of Quality Control (Dover Books on Mathematics)

<u>Dmca</u>