



Conceptual Foundations of the Statistical Approach in Mechanics (Paperback)

By Paul Ehrenfest

Dover Publications Inc., United States, 2015. Paperback. Condition: New. New edition. Language: English . Brand New Book. In this concise classic, Paul Ehrenfest ? one of the twentieth century s greatest physicists ? 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.

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Reviews

The book is fantastic and great. I have got read through and i am confident that i will planning to read yet again once again in the foreseeable future. I found out this book from my dad and i recommended this publication to discover.

-- Prof. Nicole Zieme

This type of publication is almost everything and helped me looking forward and much more. I am quite late in start reading this one, but better then never. You wont really feel monotony at whenever you want of your own time (that's what catalogs are for relating to if you ask me).

-- Prof. Buddy Leuschke