

Studies in STATISTICAL MECHANICS

Volume I

Edited by J. de BOER and G. E. UHLENBECK



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mechanics *Advances in Chemical Physics, Volume 72* Ilya Prigogine, Stuart A. Rice, 2009-09-08 The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical authoritative evaluations of advances in every area of the discipline Filled with cutting edge research reported in a cohesive manner not found elsewhere in the literature each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics *Applied Mechanics Reviews* ,1963 **Nuclear Science Abstracts** ,1976 **Advances in Chemical Physics, Volume 56** Ilya Prigogine, Stuart A. Rice, 2009-09-08 The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical authoritative evaluations of advances in every area of the discipline Filled with cutting edge research reported in a cohesive manner not found elsewhere in the literature each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics *Introduction To Condensed Matter Physics, Volume 1* Duan Feng, Guojun Jin, 2005-07-04 This is volume 1 of two volume book that presents an excellent comprehensive exposition of the multi faceted subjects of modern condensed matter physics unified within an original and coherent conceptual framework Traditional subjects such as band theory and lattice dynamics are tightly organized in this framework while many new developments emerge spontaneously from it In this volume Basic concepts are emphasized usually they are intuitively introduced then more precisely formulated and compared with correlated concepts A plethora of new topics such as quasicrystals photonic crystals GMR TMR CMR high Tc superconductors Bose Einstein condensation etc are presented with sharp physical insights Bond and band approaches are discussed in parallel breaking the barrier between physics and chemistry A highly accessible chapter is included on correlated electronic states rarely found in an introductory text Introductory chapters on tunneling mesoscopic phenomena and quantum confined nanostructures constitute a sound foundation for nanoscience and nanotechnology The text is profusely illustrated with about 500 figures **The Emergence of Consciousness** Anthony Freeman, 2001 A collection of essays on the relation between the conscious mind and the body In this text philosopher Robert Van Gulick gives a clear overview and comparison on emergent and reductive approaches while others discuss more detailed aspects

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