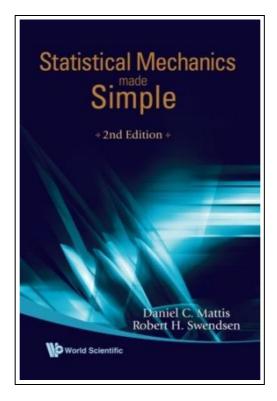
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Reviews

This publication may be really worth a go through, and a lot better than other. It really is full of knowledge and wisdom Its been printed in an exceptionally easy way in fact it is simply after i finished reading this publication by which basically modified me, affect the way i really believe.

(Troy Dietrich DDS)

STATISTICAL MECHANICS MADE SIMPLE (2ND REVISED EDITION)



World Scientific Publishing Co Pte Ltd. Paperback. Condition: new. BRAND NEW, Statistical Mechanics Made Simple (2nd Revised edition), Daniel C. Mattis, Robert Swendsen, This second edition extends and improves on the first, already an acclaimed and original treatment of statistical concepts insofar as they impact theoretical physics and form the basis of modern thermodynamics. This book illustrates through myriad examples the principles and logic used in extending the simple laws of idealized Newtonian physics and quantum physics into the real world of noise and thermal fluctuations. In response to the many helpful comments on the first edition, important features to this edition include additional figures, new problems, and worked-out solutions to some representative problems. Armed with the wit and knowledge of a new coauthor, the topics of renormalization group and Monte Carlo numerical techniques are now treated on a par with more conventional elements of statistical thermodynamics. The addition of these important subjects thus allows a coherent picture of thermal physics to emerge. This new edition incorporates important aspects of many-body theory and of phase transitions. It should better serve the contemporary student, while offering to the instructor a wider selection of topics from which to craft lectures on topics ranging from thermodynamics and random matrices to thermodynamic Green functions and critical exponents, from the propagation of sound in solids and fluids to the nature of quasiparticles in quantum liquids and in transfer matrices.



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