



## Statistical Mechanics: Principles and Selected Applications

By Terrell L. Hill

Dover Publications Inc., United States, 1988. Paperback. Book Condition: New. New edition. 211 x 137 mm. Language: English . Brand New Book. Excellent . a welcome addition to the literature on the subject. -- Science Before the publication of this standard, oft-cited book, there were few if any statistical-mechanics texts that incorporated reviews of both fundamental principles and recent developments in the field. In this volume, Professor Hill offers just such a dual presentation -- a useful account of basic theory and of its applications, made accessible in a comprehensive format. The book opens with concise, unusually clear introductory chapters on classical statistical mechanics, quantum statistical mechanics and the relation of statistical mechanics to thermodynamics. Then follows a wide-ranging, detailed examination of various applications. Chapter 4 deals with fluctuations. The fifth chapter treats the theory of imperfect gases and condensation, largely following Mayer's theory but also giving some new, alternative derivations and discussing in the final section Yang and Lee's theory. The sixth chapter is devoted to a discussion of distribution functions and the theory of the liquid state. Chapter 7 deals with nearest-neighbor (Ising) lattice statistics, while the last chapter discusses free-volume and hole theories of liquids...



**READ ONLINE**  
[ 7.58 MB ]

### Reviews

*It is simple in read through safer to comprehend. This is for anyone who statte that there was not a really worth reading through. It is extremely difficult to leave it before concluding, once you begin to read the book.*

-- **Samanta Klein**

*It in a of my personal favorite book. This is certainly for anyone who statte there had not been a worth studying. I found out this ebook from my i and dad advised this pdf to learn.*

-- **Delphine Lebsack**

## You May Also Like



### To Thine Own Self

Dog Ear Publishing, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Carefree and self assured Carolyn loves her life. Her uncle runs the day-to-day details of her company leaving...



### Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)

Createspace, United States, 2013. Paperback. Book Condition: New. Malgorzata Gudziuk (illustrator). Large Print. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Do you want to ease tension preschoolers have before going to school for the first...



### Weebies Family Halloween Night English Language: English Language British Full Colour

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Children s Weebies Family Halloween Night Book 20 starts to teach Pre-School and Junior Children how to read with this...



### Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



### Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 132 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.LIMITED-TIME SPECIAL: Special Bonus Inside! Thats right. . . For a limited time you can download a FREE audiobook version...



### Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.8in. x 6.7in. x 0.2in.Van Gogh for Kids 9. 754. 99-PaperbackABOUT SMART READS for Kids. . . Love Art, Love LearningWelcome. Designed to expand...