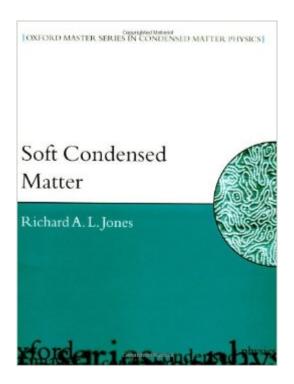
The book was found

Soft Condensed Matter (Oxford Master Series In Condensed Matter Physics, Vol. 6)





Synopsis

Probably one of the most fashionable areas in the physical sciences today, Soft Condensed Matter provides an excellent introduction to the topic, and includes colloids, polymers, liquid crystals, and amphiphiles. It is suitable for advanced undergraduate and beginning graduate students of physics, chemistry, materials science and chemical engineering.

Book Information

Paperback: 208 pages

Publisher: Oxford University Press; 1 edition (August 15, 2002)

Language: English

ISBN-10: 0198505892

ISBN-13: 978-0198505891

Product Dimensions: 9.5 x 0.5 x 7.3 inches

Shipping Weight: 14.1 ounces (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars Â See all reviews (6 customer reviews)

Best Sellers Rank: #689,166 in Books (See Top 100 in Books) #199 in Books > Science & Math

> Physics > Solid-State Physics #432 in Books > Science & Math > Chemistry > Physical &

Theoretical #462 in Books > Science & Math > Physics > Electromagnetism

Customer Reviews

The chapters are written in straightforward language, conveying essential ideas and fundamentals in very readable manner. The book illustrates how one can convey complex ideas in simple words and yet capture all intricacies of the subject. The book is self contained introduction to colloids, polymers, liquid crystals, self-assembly, crystallization, glass transition, phase behavior and gelation. I have not encountered a better book that presents such a rich overview of these vastly different yet interrelated domain of condensed matter physics in less than 200 pages. Since the book was written fairly recently, it presents a very modern understanding of described topics. The book by Chaikin and Lubensky (~700 pages) is the one written for anyone interested in meaty details, and equations in their full grandeur. Strobl's recent book on condensed matter is another excellent text and presents lots of physics in very well written graduate level text. But to taste and tempt into soft matter, Jones book definitely is the one to pick!

We use this book in our masters course of soft matter physics. The strength is that it is the only book I know that covers so many aspects of soft matter physics. However, many of the derivations

are quite unclear and hard to follow in my opinion. I usually have to spend a lot of time actually figuring out what the author means and do calculations by myself. There are also some typos etc. but I know this is hard to avoid entirely (I wrote a book myself so I know). It would be nice to see an improved new release of this book in the future.

This book excels at giving you a qualitative view on soft matter and discusses briefly some of the mathematics involved. However, it has some typos and contradicting statements in the discussion versus the summary of the section which confuses the reader.

Download to continue reading...

Soft Condensed Matter (Oxford Master Series in Condensed Matter Physics, Vol. 6) Electrostatic Effects in Soft Matter and Biophysics: Proceedings of the NATO Advanced Research Workshop on Electrostatic Effects in Soft Matter and ... 1-13 October 2000 (Nato Science Series II:) Protein Physics, Second Edition: A Course of Lectures (Soft Condensed Matter, Complex Fluids and Biomaterials) Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Many-Body Quantum Theory in Condensed Matter Physics: An Introduction (Oxford Graduate Texts) Polymers and Neutron Scattering (Oxford Series on Neutron Scattering in Condensed Matter) It Does Matter!: Different States of Matter (For Kiddie Learners): Physics for Kids - Molecular Theory (Children's Physics Books) Condensed Matter Physics Green's Functions and Condensed Matter (Dover Books on Physics) Quantum Liquids: Bose Condensation and Cooper Pairing in Condensed-Matter Systems (Oxford Graduate Texts) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) My Yonanas Frozen Treat Maker Recipe Book: 101 Delicious Healthy. Vegetarian, Dairy & Gluten-Free, Soft Serve Fruit Desserts For Your Elite or Deluxe Machine (Frozen Desserts & Soft Serve Makers) Soft Tissue Injuries and Hard Ball Tactics: Dealing With Soft Tissue Injuires and Insurance Companies Matter, Dark Matter, and Anti-Matter: In Search of the Hidden Universe (Springer Praxis Books) Energy Landscapes, Inherent Structures, and Condensed-Matter Phenomena Statistical Mechanics: Entropy, Order Parameters and Complexity (Oxford Master Series in Physics) Theoretical Microfluidics (Oxford Master Series in Physics) Neutrons, Nuclei and Matter: An Exploration of the Physics of Slow Neutrons (Dover Books on Physics) MASON JAR RECIPES BOOK SET 5 book in 1: Meals in Jars (vol.1); Salads in Jars (Vol. 2); Desserts in Jars (Vol. 3); Breakfasts in Jars (Vol. 4); Gifts in Jars (Vol. 5): Easy Mason Jar Recipe Cookbooks Saint Germain: Master Alchemist: Spiritual Teachings From An Ascended Master (Meet the Master)

