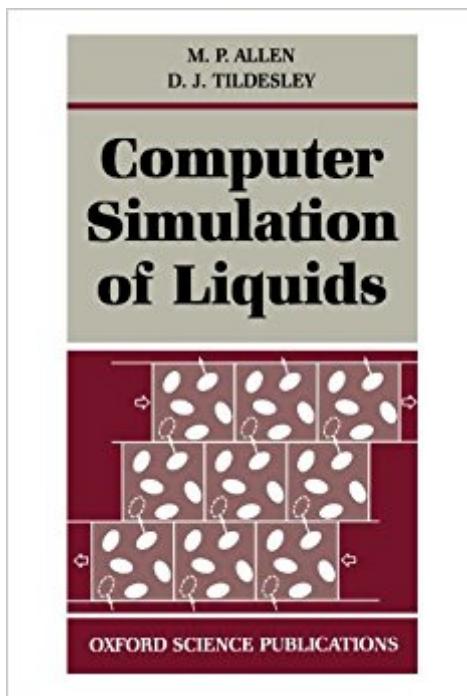


The book was found

Computer Simulation Of Liquids (Oxford Science Publications)



Synopsis

A first in its field, this book is both an introduction to computer simulation of liquids for upper level undergraduates and a how-to guide for specialists. The authors discuss the latest simulation techniques of molecular dynamics and the Monte Carlo methods as well as how to avoid common programming pitfalls. Theoretical concepts and practical programming advice are amply reinforced with examples of computer simulation in action and samples of Fortran code. The authors have also included a wide selection of programs and routines on microfiche to aid chemists, physicists, chemical engineers, and computer scientists, as well as graduate and advanced students in chemistry.

Book Information

Series: Oxford Science Publications

Paperback: 408 pages

Publisher: Clarendon Press; Reprint edition (June 29, 1989)

Language: English

ISBN-10: 0198556454

ISBN-13: 978-0198556459

Product Dimensions: 9.2 x 0.8 x 6.1 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 12 customer reviews

Best Sellers Rank: #343,518 in Books (See Top 100 in Books) #80 in Books > Science & Math > Physics > Solid-State Physics #116 in Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry #206 in Books > Textbooks > Engineering > Chemical Engineering

Customer Reviews

"A well-written and carefully produced work. . . . I recommend this book without reservation."

--Computing Reviews

M. P. Allen is at University of Bristol. D. J. Tildesley is at University of Southampton.

Useful book recommended by my advisor, helpful for molecular dynamics simulation.

Good quality as expected.

This book reads easily. I find some text books to be incomprehensible but this one is intuitive and well structured.

Great old school molecular simulation book. A must have book for graduate students that are seeking a degree in molecular modelling field.

Exactly as described; quick delivery!

This is one of the master piece on molecular dynamics. Anyone who wants to learn everything on molecular dynamics and Monte-Carlo simulations should read it like a "BIBLE" At the end of it, you will be in a position to even understand the code of many MD programs that are based on Fortran.

I can't recommend this book enough for anyone learning molecular dynamics or Monte Carlo of liquids. It is required reading. I work in this field, and all of my colleagues in this area have this book on their shelves.

This book is a classic and has a lot of good information about simulated, but unfortunately it's pretty dated. For example, it was written before Particle-Mesh Ewald became standard.

[Download to continue reading...](#)

Computer Simulation of Liquids (Oxford Science Publications) Computer Simulation of Liquids Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB® and Simulink® (Modeling and Simulation in Science, Engineering and Technology) Molecular Simulation Studies on Thermophysical Properties: With Application to Working Fluids (Molecular Modeling and Simulation) A Manual of Facial Growth: A Computer Analysis of Longitudinal Cephalometric Growth Data (Oxford Medical Publications) 1st Grade Computer Basics : The Computer and Its Parts: Computers for Kids First Grade (Children's Computer Hardware Books) Teleoperation: Numerical Simulation and Experimental Validation (Eurocourses: Computer and Information Science) Extremal Combinatorics: With Applications in Computer Science (Texts in Theoretical Computer Science. An EATCS Series) Computer Science for the Curious: Why Study Computer Science? (The Stuck Student's Guide to Picking the Best College Major and Career) Fundamentals of Discrete Math for Computer Science: A Problem-Solving Primer (Undergraduate Topics in Computer Science) Oxford Handbook of Dialysis (Oxford Medical Publications) Oxford

Handbook of Tropical Medicine (Oxford Medical Publications) Oxford Dictionary of Medical Quotations (Oxford Medical Publications) Molecular Gas Dynamics and the Direct Simulation of Gas Flows (Oxford Engineering Science Series) Wreb: The Ultimate Study Guide for Conquering the Periodontal Assessment/Diagnosis and Prosthodontics Computer Simulation Exam Change It!: Solids, Liquids, Gases and You (Primary Physical Science) What Is the World Made Of?: All About Solids, Liquids, and Gases (Let's-Read-and-Find-Out Science 2) Solids, Liquids, And Gases (Rookie Read-About Science) Joe-Joe the Wizard Brews Up Solids, Liquids, and Gases (In the Science Lab) Solids, Liquids, Gases (Simply Science)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)