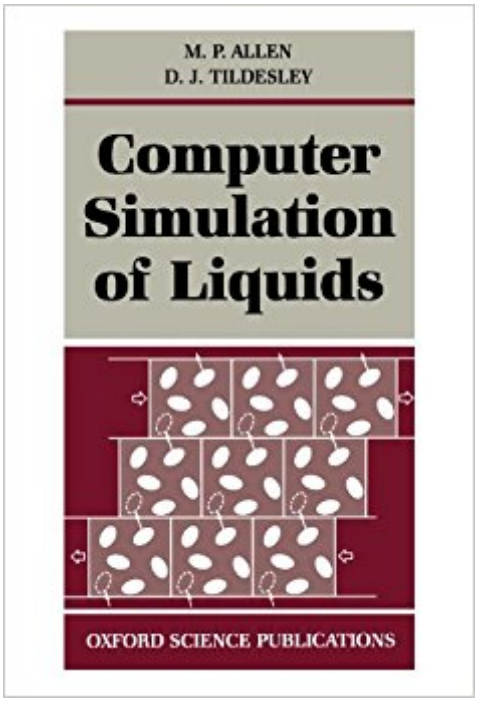
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Computer Simulation Of Liquids (Oxford Science Publications)



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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

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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 sone 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.

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