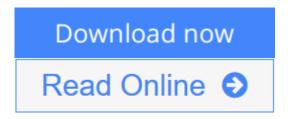


Theory of Simple Liquids, Third Edition

By Jean-Pierre Hansen, I.R. McDonald



Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald

The third edition of **Theory of Simple Liquids** is an updated, advanced, but self-contained introduction to the principles of liquid-state theory. It presents the modern, molecular theory of the structural, thermodynamic interfacial and dynamical properties of the liquid phase of materials constituted of atoms, small molecules or ions. This book leans on concepts and methods form classical Statistical Mechanics in which theoretical predictions are systematically compared with experimental data and results from numerical simulations.

The overall layout of the book is similar to that of the previous two editions however, there are considerable changes in emphasis and several key additions including:

- •up-to-date presentation of modern theories of liquid-vapour coexistence and criticality
- •areas of considerable present and future interest such as super-cooled liquids and the glass transition
- •the area of liquid metals, which has grown into a mature subject area, now presented as part of the chapter ionic liquids
- •Provides cutting-edge research in the principles of liquid-state theory
- •Includes frequent comparisons of theoretical predictions with experimental and simulation data
- •Suitable for researchers and post-graduates in the field of condensed matter science (Physics, Chemistry, Material Science), biophysics as well as those in the oil industry



Theory of Simple Liquids, Third Edition

By Jean-Pierre Hansen, I.R. McDonald

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald

The third edition of **Theory of Simple Liquids** is an updated, advanced, but self-contained introduction to the principles of liquid-state theory. It presents the modern, molecular theory of the structural, thermodynamic interfacial and dynamical properties of the liquid phase of materials constituted of atoms, small molecules or ions. This book leans on concepts and methods form classical Statistical Mechanics in which theoretical predictions are systematically compared with experimental data and results from numerical simulations.

The overall layout of the book is similar to that of the previous two editions however, there are considerable changes in emphasis and several key additions including:

- •up-to-date presentation of modern theories of liquid-vapour coexistence and criticality
- •areas of considerable present and future interest such as super-cooled liquids and the glass transition
- •the area of liquid metals, which has grown into a mature subject area, now presented as part of the chapter ionic liquids
- •Provides cutting-edge research in the principles of liquid-state theory
- •Includes frequent comparisons of theoretical predictions with experimental and simulation data
- •Suitable for researchers and post-graduates in the field of condensed matter science (Physics, Chemistry, Material Science), biophysics as well as those in the oil industry

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald Bibliography

Sales Rank: #1704488 in BooksPublished on: 2006-04-03Original language: English

• Number of items: 1

• Dimensions: 9.21" h x .94" w x 6.14" l, 1.98 pounds

• Binding: Hardcover

• 428 pages

▼ Download Theory of Simple Liquids, Third Edition ...pdf

Read Online Theory of Simple Liquids, Third Edition ...pdf

Download and Read Free Online Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald

Editorial Review

Users Review

From reader reviews:

Linda Carroll:

The reason why? Because this Theory of Simple Liquids, Third Edition is an unordinary book that the inside of the book waiting for you to snap that but latter it will jolt you with the secret that inside. Reading this book next to it was fantastic author who write the book in such wonderful way makes the content interior easier to understand, entertaining approach but still convey the meaning totally. So , it is good for you for not hesitating having this anymore or you going to regret it. This book will give you a lot of advantages than the other book possess such as help improving your talent and your critical thinking way. So , still want to hold up having that book? If I ended up you I will go to the guide store hurriedly.

James Robinson:

This Theory of Simple Liquids, Third Edition is great guide for you because the content which is full of information for you who have always deal with world and also have to make decision every minute. This particular book reveal it facts accurately using great coordinate word or we can point out no rambling sentences in it. So if you are read the idea hurriedly you can have whole details in it. Doesn't mean it only offers you straight forward sentences but tough core information with wonderful delivering sentences. Having Theory of Simple Liquids, Third Edition in your hand like obtaining the world in your arm, info in it is not ridiculous a single. We can say that no reserve that offer you world in ten or fifteen small right but this guide already do that. So , it is good reading book. Hey there Mr. and Mrs. stressful do you still doubt that will?

Susan Ross:

The book untitled Theory of Simple Liquids, Third Edition contain a lot of information on it. The writer explains her idea with easy means. The language is very straightforward all the people, so do not worry, you can easy to read this. The book was compiled by famous author. The author brings you in the new age of literary works. It is possible to read this book because you can continue reading your smart phone, or device, so you can read the book in anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site as well as order it. Have a nice read.

Mary Tobin:

Beside this specific Theory of Simple Liquids, Third Edition in your phone, it might give you a way to get more close to the new knowledge or data. The information and the knowledge you might got here is fresh from oven so don't become worry if you feel like an outdated people live in narrow village. It is good thing to have Theory of Simple Liquids, Third Edition because this book offers to you personally readable information. Do you at times have book but you don't get what it's interesting features of. Oh come on, that would not happen if you have this in your hand. The Enjoyable blend here cannot be questionable, such as treasuring beautiful island. So do you still want to miss the item? Find this book and read it from today!

Download and Read Online Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald #CNI04ES1BXP

Read Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald for online ebook

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald books to read online.

Online Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald ebook PDF download

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald Doc

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald Mobipocket

Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald EPub

CNI04ES1BXP: Theory of Simple Liquids, Third Edition By Jean-Pierre Hansen, I.R. McDonald