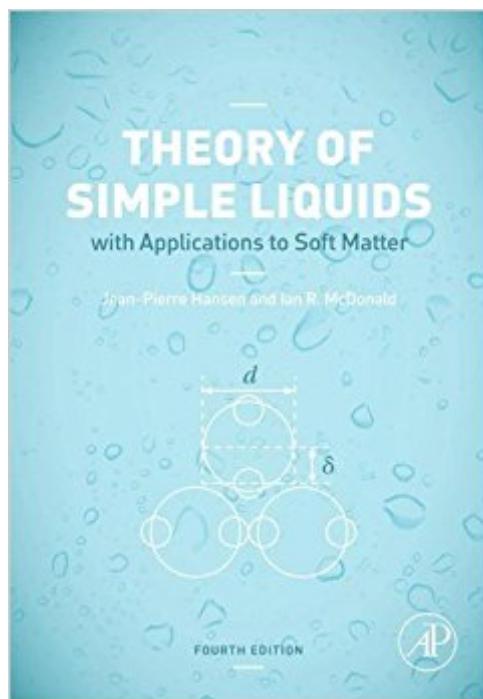


The book was found

Theory Of Simple Liquids: With Applications To Soft Matter



Synopsis

Comprehensive coverage of topics in the theory of classical liquids Widely regarded as the standard text in its field, Theory of Simple Liquids gives an advanced but self-contained account of liquid state theory within the unifying framework provided by classical statistical mechanics. The structure of this revised and updated Fourth Edition is similar to that of the previous one but there are significant shifts in emphasis and much new material has been added. Major changes and Key Features in content include: Expansion of existing sections on simulation methods, liquid-vapour coexistence, the hierarchical reference theory of criticality, and the dynamics of super-cooled liquids. New sections on binary fluid mixtures, surface tension, wetting, the asymptotic decay of pair correlations, fluids in porous media, the thermodynamics of glasses, and fluid flow at solid surfaces. An entirely new chapter on applications to 'soft matter' of a combination of liquid state theory and coarse graining strategies, with sections on polymer solutions and polymer melts, colloidal dispersions, colloid-polymer mixtures, lyotropic liquid crystals, colloidal dynamics, and on clustering and gelation. Expansion of existing sections on simulation methods, liquid-vapour coexistence, the hierarchian reference of criticality, and the dynamics of super-cooled liquids. New sections on binary fluid mixtures, surface tension, wetting, the asymptotic decay of pair correlations, fluids in porous media, the thermodynamics of glasses, and fluid flow at solid surfaces. An entirely new chapter on applications to 'soft matter' of a combination of liquid state theory and coarse graining strategies, with sections on polymer solutions and polymer melts, colloidal dispersions, colloid-polymer mixtures, lyotropic liquid crystals, colloidal dynamics, and on clustering and gelation.

Book Information

File Size: 19345 KB

Print Length: 638 pages

Page Numbers Source ISBN: 0123870321

Publisher: Academic Press; 4 edition (August 12, 2013)

Publication Date: August 12, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00ESIPP14

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,767,280 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #34 in Books > Science & Math > Chemistry > Chemical Physics #80 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Dynamics > Fluid Dynamics #112 in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Solid-State Physics

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

Theory of Simple Liquids: with Applications to Soft Matter 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:) Soft Condensed Matter (Oxford Master Series in Condensed Matter Physics, Vol. 6) Theory of Simple Liquids Quantum Liquids: Bose Condensation and Cooper Pairing in Condensed-Matter Systems (Oxford Graduate Texts) Matter, Dark Matter, and Anti-Matter: In Search of the Hidden Universe (Springer Praxis Books) It Does Matter!: Different States of Matter (For Kiddie Learners): Physics for Kids - Molecular Theory (Children's Physics Books) 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 Injuries and Insurance Companies Introduction to Soft Matter: Synthetic and Biological Self-Assembling Materials Introduction to Soft Matter: Polymers, Colloids, Amphiphiles and Liquid Crystals Neutron, X-rays and Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series) Protein Physics, Second Edition: A Course of Lectures (Soft Condensed Matter, Complex Fluids and Biomaterials) Natural Gas Liquids: A Nontechnical Guide An Introduction to Ionic Liquids: RSC Black Lies Matter: Why Lies Matter to the Race Grievance Industry Soft ferrites: properties and applications Fluid Flow in the Subsurface: History, Generalization and Applications of Physical Laws (Theory and Applications of Transport in Porous Media) Ergonomics: Foundational Principles, Applications, and Technologies (Ergonomics Design & Management Theory & Applications) Many-Body Quantum Theory in Condensed Matter Physics: An Introduction (Oxford Graduate Texts)

[Dmca](#)