



# Theory of Simple Liquids, Second Edition

*Jean-Pierre Hansen, Ian R. McDonald*

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**Theory of Simple Liquids, Second Edition** Jean-Pierre Hansen, Ian R. McDonald

This book gives a comprehensive and up-to-date treatment of the theory of "simple" liquids. The new second edition has been rearranged and considerably expanded to give a balanced account both of basic theory and of the advances of the past decade. It presents the main ideas of modern liquid state theory in a way that is both pedagogical and self-contained. The book should be accessible to graduate students and research workers, both experimentalists and theorists, who have a good background in elementary mechanics.

## Key Features

- \* Compares theoretical deductions with experimental results
- \* Molecular dynamics
- \* Monte Carlo computations
- \* Covers ionic, metallic, and molecular liquids



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