



Statistical Physics (Manchester Physics Series)

By Franz Mandl

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Statistical Physics, Second Edition develops a unified treatment of statistical mechanics and thermodynamics, which emphasises the statistical nature of the laws of thermodynamics and the atomic nature of matter. Prominence is given to the Gibbs distribution, leading to a simple treatment of quantum statistics and of chemical reactions. Undergraduate students of physics and related sciences will find this a stimulating account of the basic physics and its applications. Only an elementary knowledge of kinetic theory and atomic physics, as well as the rudiments of quantum theory, are presupposed for an understanding of this book. **Statistical Physics**, Second Edition features:

- A fully integrated treatment of thermodynamics and statistical mechanics.
- A flow diagram allowing topics to be studied in different orders or omitted altogether.
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- Sets of problems at the end of each chapter to help student understanding. Hints for solving the problems are given in an Appendix.

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From the Back Cover

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