THERMODYNAMICS AND STATISTICAL MECHANICS

By
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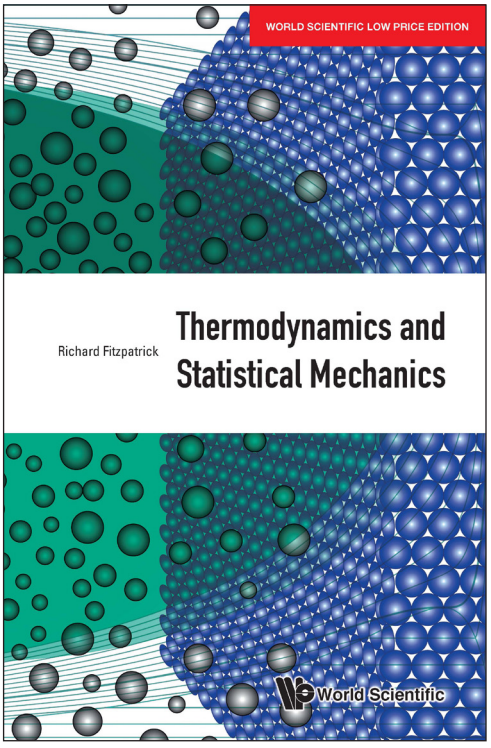

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ABOUT THE BOOK

This book provides a comprehensive exposition of the theory of equilibrium thermodynamics and statistical mechanics at a level suitable for well-prepared undergraduate students. The fundamental message of the book is that all results in equilibrium thermodynamics and statistical mechanics follow from a single unprovable axiom — namely, the principle of equal a *priori* probabilities — combined with elementary probability theory, elementary classical mechanics, and elementary quantum mechanics.

READERSHIP

Undergraduate and graduate students; lecturers teaching a course on thermodynamics or statistical mechanics in Physics.

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