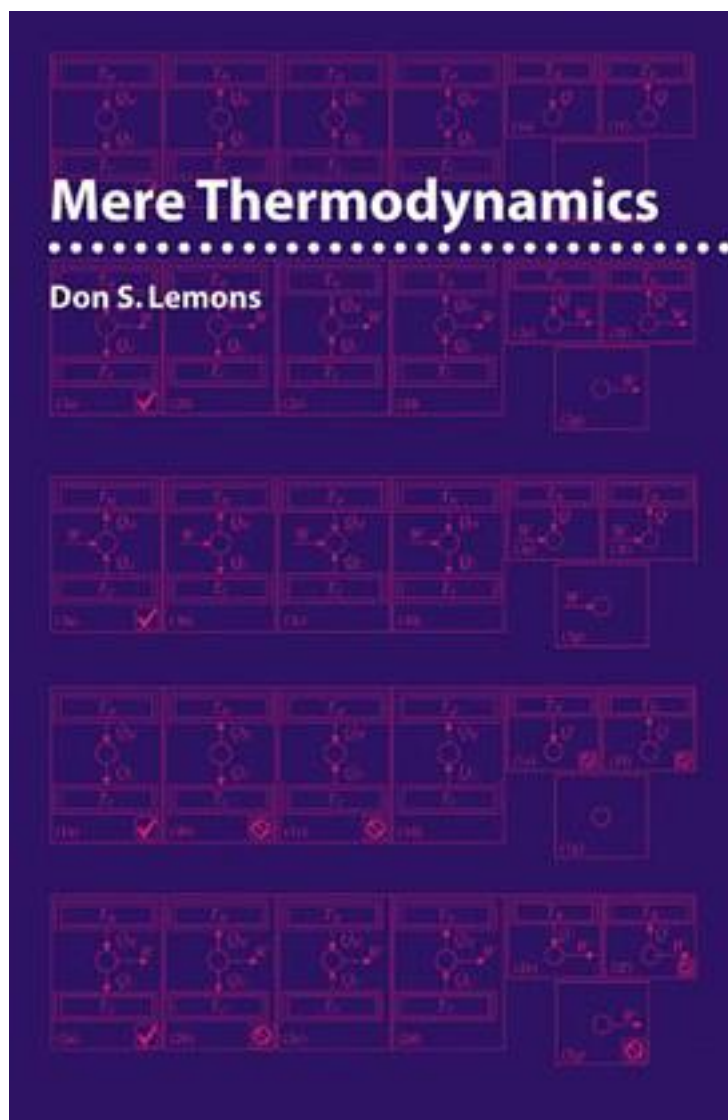


# Mere Thermodynamics



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出版者:Johns Hopkins UP

出版时间:2008-11

装帧:Hardcover

isbn:9780801890147

Presenting classical thermodynamics as a concise and discrete whole, Mere Thermodynamics is a perfect tool for teaching a notoriously difficult subject. Accomplished teacher Don S. Lemons introduces the physical theory's concepts and methods and uses them to solve problems from a broad range of physics. He illustrates, at a gentle pace, not only the fundamentals of the subject but also advanced topics such as the relationship between the second law of thermodynamics and entropy. He highlights the intellectual structure and history of the discipline and explores the logical consequences of each of the famous three laws. Lemons explains and develops the first two laws and their corollaries, the methods and applications of thermodynamics, and the third law, as well as non-fluid variables, equilibrium and stability, and two-phase systems. The book features end-of-chapter practice problems, an appendix of worked problems, a glossary of terms, and an annotated bibliography.

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