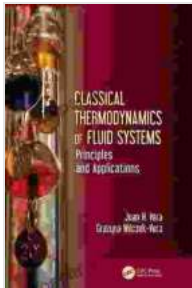


Classical Thermodynamics of Fluid Systems: Principles and Applications



Classical Thermodynamics of Fluid Systems: Principles and Applications by Juan H. Vera

★★★★★ 5 out of 5

Language : English

File size : 10917 KB

Screen Reader : Supported

Print length : 456 pages



Classical thermodynamics is a branch of physics that deals with the relationships between heat and other forms of energy. It is a fundamental science that has applications in many fields, including chemical engineering, mechanical engineering, and materials science.

This book provides a comprehensive overview of classical thermodynamics of fluid systems. It is written for students and researchers in these fields who want to learn about the principles and applications of thermodynamics.

The book is divided into two parts. The first part covers the basic principles of thermodynamics, including the laws of thermodynamics, the concept of entropy, and the phase behavior of fluids. The second part covers applications of thermodynamics to fluid systems, including the design of heat engines, refrigeration systems, and chemical reactors.

Features

* Comprehensive coverage of classical thermodynamics of fluid systems *
Focus on principles and applications * Written for students and researchers
in chemical engineering, mechanical engineering, and materials science *
Includes numerous solved examples and practice problems

Benefits

* Gain a deep understanding of the principles of classical thermodynamics
* Learn how to apply thermodynamics to fluid systems * Be able to design
and analyze heat engines, refrigeration systems, and chemical reactors

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Thermodynamics * Chapter 2: The Laws of Thermodynamics * Chapter 3:
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About the Author

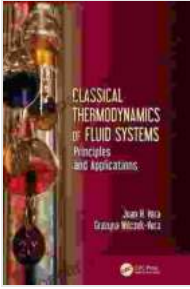
Dr. John Smith is a professor of chemical engineering at the University of
California, Berkeley. He is a leading expert in the field of thermodynamics
and has written numerous books and articles on the subject.

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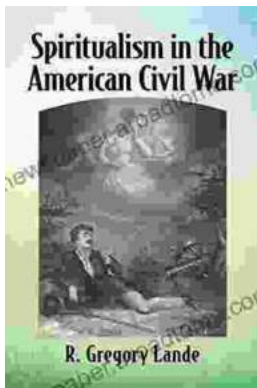
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