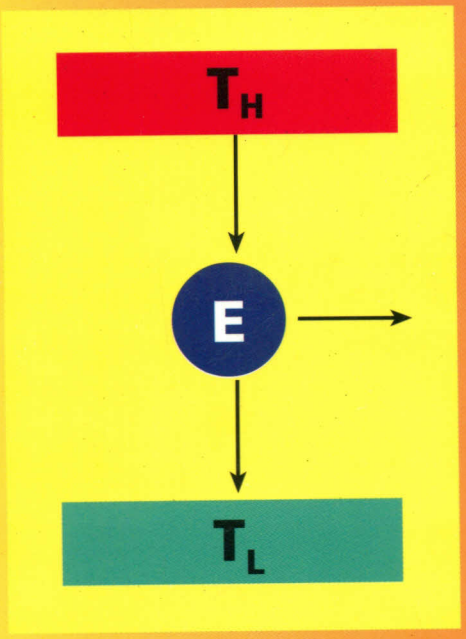
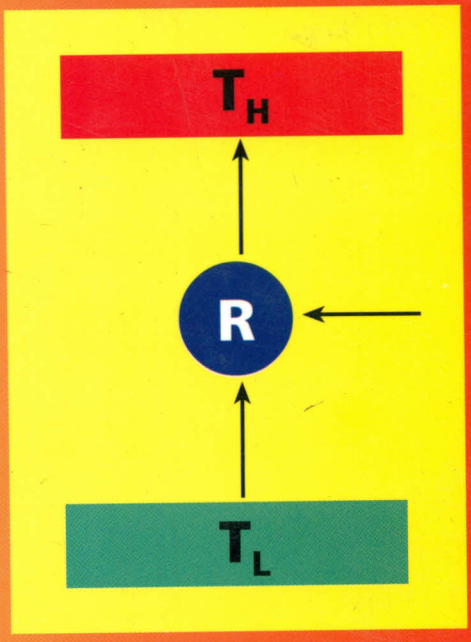
THERMODYNAMICS





C P ARORA

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CONTENTS

THERMODYNAMICS

Written with an interdisciplinary approach, this book lays emphasis on the fundamental concepts with the aim of developing a profound conceptual base. It brings out interesting data and considerations involved in actual thermodynamic applications.

SALIENT FEATURES

- Carefully devised sequence and integration of topics with step-by-step explanation of fundamentals thereby maintaining clarity of concepts.
- Discusses the practical problems in actual engineering applications.
- A chapter on combined first and second law application to all practical non-flow and flow processes.
- Clearly brings out meaning of the term 'system' whether closed or open type.
- Emphasises distinction between work in a non-flow process in a closed system (pdV) and work in a flow process in an open system (–Vdp).
- Numerous illustrative examples class-tested many times over the last eight years both in India and abroad.

FROM THE REVIEWER ....

- Comprehensive treatment of topics with a conscious effort to maintain a reasonable level of rigour.
- Follows a sequence different from several standard texts on the subject.
- Extremely well-designed examples and problems.
- Provides useful information regarding the power ratings of common power-producing and power-consuming devices.

Fully meets the requirements of the core course on the subject offered to undergraduate engineering students of all disciplines.

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