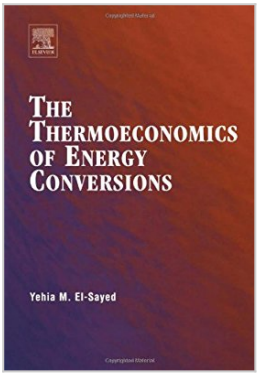

The Thermoeconomics of Energy Conversions

By Yehia M. El-Sayed

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The Thermoeconomics of Energy Conversions presents the developed methodologies that reveal the cost effectiveness of energy-resource-saving ideas design. This book discusses the theory of thermoeconomics.

Organized into nine chapters, this book begins with an overview of the foundation of the design analysis of systems that use or produce useful forms of energy. This text then examines the rational basis for costing energy conversion devices for the purpose of optimal system design. Other chapters consider the enhancement of system optimization. This book discusses as well the significance of the design models of energy conversion devices as rich resources for predicting both their costs and overall performance of their system. The final chapter deals with the software of the accompanying compact disc.

This book is a valuable resource for engineers and scientists who are involved in the development of efficient energy conversion systems. Students, system designers, and device designers will also find this book useful.

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