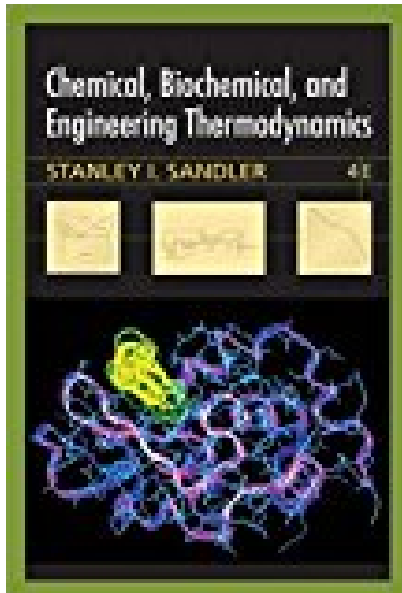


Chemical Biochemical and Engineering Thermodynamics



BOOK DETAILS

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- Pages : 960 Pages
- Publisher : Wiley
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BOOK SYNOPSIS

With the newly revised fourth edition of Chemical and Engineering Thermodynamics, readers find a modern, applied approach to thermodynamics. The material is presented in sufficient detail that provides a solid understanding of the key principles in the field. And current information is included on environmental and safety issues and how chemical engineering principles are used in biotechnology, polymers, and solid-state-processing. · Conservation of Mass · Conservation of Energy · Entropy: An Additional Balance Equation · Liquefaction, Power Cycles, and Explosions · The Thermodynamic Properties of Real Substances · Equilibrium and Stability in One-Component Systems · The Thermodynamics of Multicomponent Mixtures · The Estimation of the Gibbs Free Energy and Fugacity of a Component in a Mixture · Vapor-liquid Equilibrium in Mixtures · Other types of Phase Equilibria in Fluid Mixtures · Mixture Phase Equilibria Involving Solids · Chemical Equilibrium · The Balance Equations for Chemical Reactors and Electrochemistry · Some Biochemical Applications of Thermodynamics

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