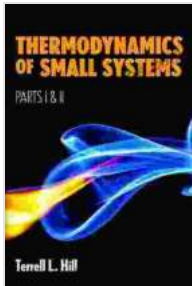


Thermodynamics of Small Systems: Parts II - Dover on Chemistry

By Terrell L. Hill



Thermodynamics of Small Systems, Parts I & II (Dover Books on Chemistry) by Terrell L. Hill

★★★★☆ 4.7 out of 5

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Print length : 541 pages
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Thermodynamics of Small Systems: Parts II provides a comprehensive treatment of the subject, covering both the theoretical and practical aspects of the field. The book is divided into two parts, with the first part covering the general principles of thermodynamics and the second part covering the application of these principles to small systems.

The first part of the book begins with a discussion of the fundamental concepts of thermodynamics, including the laws of thermodynamics, the concept of entropy, and the free energy. The book then goes on to discuss the thermodynamics of phase transitions, including the melting and freezing of solids, the boiling and condensation of liquids, and the sublimation and deposition of gases. The book also discusses the thermodynamics of chemical reactions, including the equilibrium constant and the Gibbs free energy.

The second part of the book applies the principles of thermodynamics to small systems. The book begins with a discussion of the thermodynamics of surfaces and interfaces, including the surface tension and the contact angle. The book then goes on to discuss the thermodynamics of macromolecules, including the conformational entropy and the excluded volume effect. The book also discusses the thermodynamics of colloidal systems, including the stability of colloids and the coagulation of colloids.

Thermodynamics of Small Systems: Parts II is a comprehensive and authoritative treatment of the subject. The book is written in a clear and concise style, and it is profusely illustrated with diagrams and figures. The book is an essential resource for students, researchers, and practitioners in the field of thermodynamics.

Table of Contents

- **Part I. General Principles of Thermodynamics**
 - Chapter 1. The Laws of Thermodynamics
 - Chapter 2. Entropy
 - Chapter 3. Free Energy

- Chapter 4. Phase Transitions
- Chapter 5. Chemical Reactions
- **Part II. Application of Thermodynamics to Small Systems**
 - Chapter 6. Thermodynamics of Surfaces and Interfaces
 - Chapter 7. Thermodynamics of Macromolecules
 - Chapter 8. Thermodynamics of Colloidal Systems

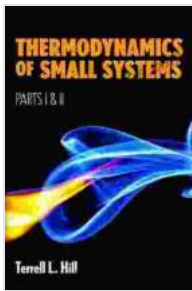
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"Thermodynamics of Small Systems: Parts II is a valuable addition to the literature on thermodynamics. The book provides a comprehensive and up-to-date treatment of the subject, and it is written in a clear and concise style. The book is an essential resource for students, researchers, and practitioners in the field of thermodynamics." - **American Journal of Physics**

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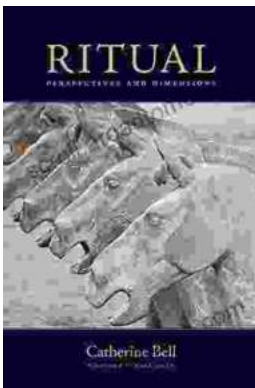
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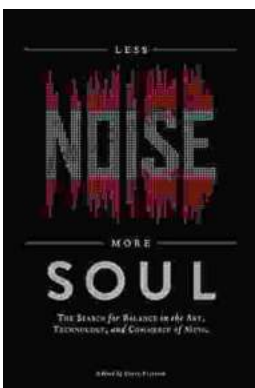
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