



Fundamentals of Thermodynamics

By Claus Borgnakke, Richard E. Sonntag

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Now in its seventh edition, Fundamentals of Thermodynamics continues to offer a comprehensive and rigorous treatment of classical thermodynamics, while retaining an engineering perspective. With concise, applications-oriented discussion of topics and self-test problems the text encourages students to monitor their own comprehension. The seventh edition is updated with additional examples, homework problems, and illustrations to increase student understanding.

The text lays the groundwork for subsequent studies in fields such as fluid mechanics, heat transfer and statistical thermodynamics, and prepares students to effectively apply thermodynamics in the practice of engineering.

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Editorial Review

Review

Solutions Manual available. -- *The publisher, John Wiley & Sons*

From the Publisher

Presenting a comprehensive and thorough treatment of thermodynamics while still retaining an engineering perspective, this updated edition contains revised contents and chapters, changes in table listings and equations, as well as the addition of simpler homework problems.

From the Back Cover

Understand thermodynamics from an engineer's perspective

Borgnakke and Sonntag's *Fundamentals of Thermodynamics* has long stood as the text of choice for an introduction to the theory and application of thermodynamics. Written from an engineer's point of view, this updated and revised *Seventh Edition* of the classic text offers a comprehensive and rigorous treatment of classical thermodynamics. With concise, applications-oriented discussion of topics and self-test problems, the text encourages students to monitor their own progress and absorb the concepts step by step.

Updated with additional examples, homework problems, and illustrations to increase student understanding, this new edition:

- Includes concept check questions within chapters
- Provides more figures, additional examples, and application sections in each chapter
- Includes a revised version of CATT software for ease of calculating property data
- Features the ThermoNet Web Site, with an extensive collection of Internet-based learning resources in engineering thermodynamics at the college level

Preparing students to effectively apply thermodynamics in the practice of engineering, *Fundamentals of Thermodynamics, Seventh Edition* lays the groundwork for subsequent success in fields such as fluid mechanics, heat transfer, and statistical thermodynamics.

Users Review

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