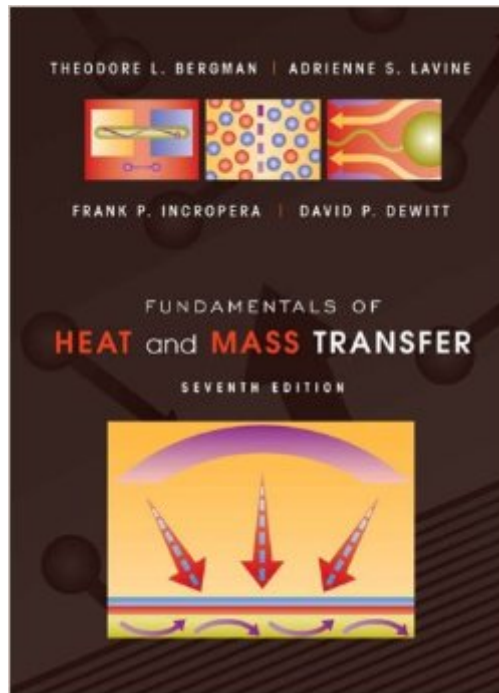


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Fundamentals Of Heat And Mass Transfer, 7th Edition



Synopsis

Introduction to Heat and Mass Transfer is the gold standard of heat transfer pedagogy for more than 30 years, with a commitment to continuous improvement by four authors having more than 150 years of combined experience in heat transfer education, research and practice. Using a rigorous and systematic problem-solving methodology pioneered by this text, it is abundantly filled with examples and problems that reveal the richness and beauty of the discipline. This edition maintains its foundation in the four central learning objectives for students and also makes heat and mass transfer more approachable with an additional emphasis on the fundamental concepts, as well as highlighting the relevance of those ideas with exciting applications to the most critical issues of today and the coming decades: energy and the environment. An updated version of Interactive Heat Transfer (IHT) software makes it even easier to efficiently and accurately solve problems.

Book Information

File Size: 49286 KB

Print Length: 1072 pages

Simultaneous Device Usage: Up to 3 simultaneous devices, per publisher limits

Publisher: John Wiley & Sons, Inc.; 7 edition (March 21, 2011)

Publication Date: March 21, 2011

Sold by:Â Digital Services LLC

Language: English

ASIN: B005FHJLRG

Text-to-Speech: Not enabled

X-Ray for Textbooks: Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #311,380 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #19

inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Dynamics > Thermodynamics

#150 inÂ Books > Science & Math > Physics > Dynamics > Thermodynamics #635 inÂ Books >

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Customer Reviews

The factors that influenced this review the most were the following: Explanation of concepts; link between concepts and examples; link between examples and assigned problems; and the provided

tables, charts, etc. The actual rating I gave this text is 4.5/5.0, but I couldn't give half of a star. 1. Explanation of concepts: (9/10) The authors not only know what they are talking about in the text, they are able to bring it down to a college student's level. Because Heat Transfer is difficult to understand, the authors take a lot of time explaining the why as well as the what and how. Along with the material from my Heat Transfer course, the text was amazingly helpful for filling in gaps in understanding for practically every topic. 2. Link between concepts and examples: (9/10) The examples provided were most of the time extremely useful for seeing the concepts in action with respect to the equations and correlations. Occasionally, however, the examples were used to reveal the nature of a specific phenomenon, not necessarily to help with problems. Overall, the examples were a great demonstration of the concepts. 3. Link between examples and assigned problems: (7/10) The problems assigned were generally extremely difficult and some were not even possible to understand without the aid of the answers or the solutions from the instructor. When looking at the examples, it was frustrating seeing how the questions asked in the examples were not as challenging as the problems. In a sense, the book showed us how to walk and then expected us to run. If you have a solutions manual of some sort, then the problems will be much more useful to learn from. 4.

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