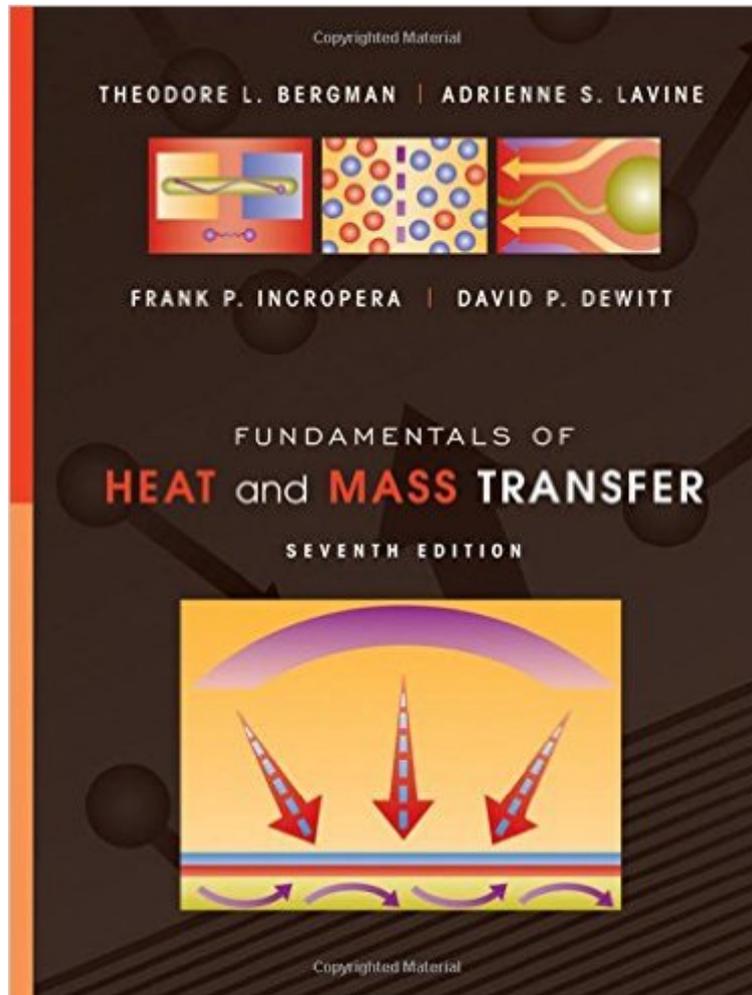


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# Fundamentals Of Heat And Mass Transfer



## Synopsis

Completely updated, the seventh edition provides engineers with an in-depth look at the key concepts in the field. It incorporates new discussions on emerging areas of heat transfer, discussing technologies that are related to nanotechnology, biomedical engineering and alternative energy. The example problems are also updated to better show how to apply the material. And as engineers follow the rigorous and systematic problem-solving methodology, they<sup>TM</sup> gain an appreciation for the richness and beauty of the discipline.

## Book Information

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Average Customer Review: 4.1 out of 5 stars [See all reviews](#) (77 customer reviews)

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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.<sup>3</sup> 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.<sup>4</sup>

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