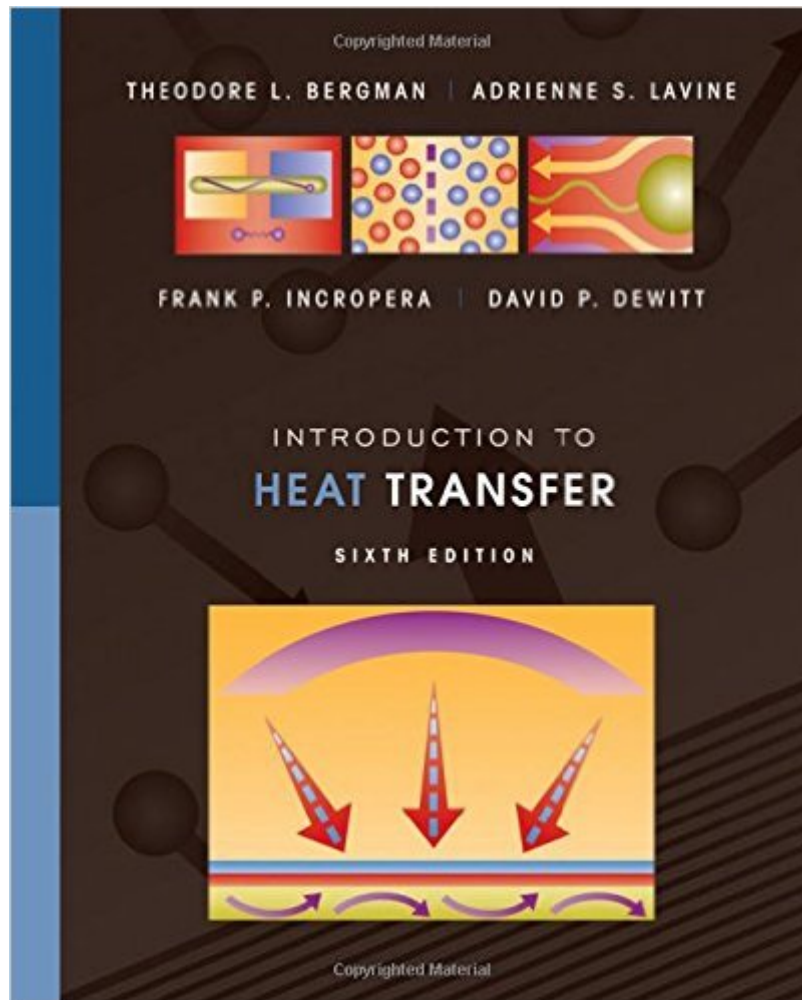


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Introduction To Heat Transfer



Synopsis

Introduction to Heat Transfer, 6th Edition is the gold standard of heat transfer pedagogy for more than 30 years. With examples and problems that reveal the richness and beauty of this discipline, this text teaches students how to become efficient problem-solvers through the use of the rigorous and systematic problem-solving methodology pioneered by the authors. Fundamental concepts have received further emphasis in this new edition, making the text even more accessible while providing a bridge from those ideas to critical applications in areas such as energy and the environment.

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Customer Reviews

The 6th edition of "Introduction to Heat Transfer" is a classic textbook that continues its tradition by providing a masterful blend of theory and practice in most of the major areas of interest in chemical, mechanical, electrical, aerospace, and other engineering disciplines. For undergraduate students, the level of coverage is generally adequate. At times, it might be somewhat more advanced than their mathematical preparation might allow - for example, the efficiency of circular fins is expressed formally using Bessel functions about which few undergrads know much. Nevertheless, the book incorporates an enormous amount of detail in a practical and useful manner. In my own experience, as a chemical engineer of 47 years standing, the book summarized quite nicely many key results of value in industrial practice - I have been using earlier editions of this book for many years. The example problems in all major sections of the book are well posed. The numerical solutions are

developed logically and in a straightforward manner, with references to key variables, equations, and graphs presented earlier. These are good preparation for the many end-of-chapter exercise problems, many showing highly innovative applications of heat transfer theory. It is true that there are no answers provided for these, so those studying heat transfer for the first time might find this disconcerting. There are, of course, many other textbooks on heat transfer, each with its own areas of emphasis and level of detail. The most fundamental of all, of course, is Bird, Stewart, and Lightfoot's "Transport Phenomena" which is often (mistakenly, in my opinion) regarded as a graduate text.

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