



Fundamentals of Heat and Mass Transfer 6th Edition with IHT/FEHT 3.0 CD with User Guide Set

By Frank P. Incropera

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- Sales Rank: #1080858 in Books
- Published on: 2006-10-30
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 10.12" h x 1.55" w x 8.31" l, 4.13 pounds
- Binding: Hardcover
- 997 pages

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Editorial Review

From the Back Cover

The standard for mastering heat and mass transfer

Respected for its readability, comprehensiveness, and relevance, Incropera and DeWitt's text is the recognized standard for learning heat and mass transfer. This text combines detailed coverage with the resources students need to learn the concepts and apply them to solving realistic and relevant problems. Using a rigorous and systematic problem-solving methodology, the text is filled with examples and problems that reveal the richness and beauty of the discipline.

The 6th Edition introduces coauthors Ted Bergman and Adrienne Lavine, who bring their record of success in teaching and research in heat and mass transfer to the text.

New Features

- Expanded coverage of areas of recent interest in heat transfer, including fuel cells and alternative energy devices, electronics cooling, micro-scale heat transfer, and biological as well as bioheat transfer. New examples and homework problems are included for each area.
- Introduction to the concepts of nano-scale transport and unified treatment of transient conduction.
- New material on two-phase heat transfer and enhanced internal forced convection.
- New and revised presentation of mass transfer including applications in materials science and biological engineering.
- New, revised, and updated problems and examples.

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About the Author

Frank P. Incropera is currently Matthew H. McCloskey Dean of the College of Engineering at University of Notre Dame. Professor Incropera received his B.S.M.E. from M.I.T. and his M.S.M.E. and Ph.D. from Stanford University, all in mechanical engineering. In 1998, he became the Clifford and Evelyn Brosey Professor of Mechanical Engineering. Professor Incropera has received four major Purdue teaching awards and was the 1982 recipient of the ASEE Ralph Coats Roe Award for excellence in teaching. He was the 1983 recipient of the ASEE George Westinghouse Award for achievements in teaching and research. In 1984 he became a Fellow of the ASME, and in 1988 he received the ASME Heat Transfer Memorial Award for *twenty years of research accomplishments in the fields of plasma heat transfer, radiative transfer in participating media, and double-diffusive and mixed convection*. In 1988 he was also recipient of the Senior

Scientists Award of the Alexander von Humboldt Foundation and recipient of the Melville Medal for the best original paper published by ASME. In 1995 he received the Worcester Reed Warner Medal of ASME for *contributions to the fundamental literature of heat transfer and his textbooks on the subject*.

Users Review

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