

- Preface
- Contributors
- 1 Basic Concepts Allan D. Kraus
- 2 Thermophysical Properties of Fluids and Materials R. T Jacobsen and E. W. Lemmon and S. G. Penoncello and Z. Shan and N. T. Wright
- 3 Conduction Heat Transfer A. Aziz
- 4 Thermal Spreading and Contact Resistances M. M. Yovanovich and E. E. Marotta
- 5 Forced Convection: Internal Flows Adrian Bejan
- 6 Forced Convection: External Flows Yogendra Joshi and Wataru Nakayama
- 7 Natural Convection Yogesh Jaluria
- 8 Thermal Radiation Michael F. Modest
- 9 Boiling John R. Thome
- 10 Condensation M. A. Kedzierski and J. C. Chato and T. J. Rabas
- 11 Heat Exchangers Allan D. Kraus
- 12 Experimental Methods Jose L. Lage
- 13 Heat Transfer in Electronic Equipment Avram Bar-Cohen and Abhay A. Watwe and Ravi S. Prasher
- 14 Heat Transfer Enhancement R. M. Manglik
- 15 Porous Media Adrian Bejan
- 16 Heat Pipes Jay M. Ochterbeck
- 17 Heat Transfer in Manufacturing and Materials Processing Richard N. Smith and C. Haris Doumanidis and Ranga Pitchumani
- 18 Microscale Heat Transfer Andrew N. Smith and Pamela M. Norris
- 19 Direct Contact Heat Transfer Robert F. Boehm
- Author Index
- Subject Index
- About the CD-ROM