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Engineering Heat Transfer (Hardback)

By William S. Janna

Taylor Francis Inc, United States, 2009. Hardback. Book Condition: New. 3rd Revised edition. 250 x 178 mm. Language: English . Brand New Book. Most heat transfer texts include the same material: conduction, convection, and radiation. How the material is presented, how well the author writes the explanatory and descriptive material, and the number and quality of practice problems is what makes the difference. Even more important, however, is how students receive the text. Engineering Heat Transfer, Third Edition provides a solid foundation in the principles of heat transfer, while strongly emphasizing practical applications and keeping mathematics to a minimum. New in the Third Edition: * Coverage of the emerging areas of microscale, nanoscale, and biomedical heat transfer * Simplification of derivations of Navier Stokes in fluid mechanics * Moved boundary flow layer problems to the flow past immersed bodies chapter * Revised and additional problems, revised and new examples * PDF files of the Solutions Manual available on a chapter-by-chapter basis The text covers practical applications in a way that de-emphasizes mathematical techniques, but preserves physical interpretation of heat transfer fundamentals and modeling of heat transfer phenomena. For example, in the analysis of fins, actual finned cylinders were cut apart,...



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