



Fundamental Principles of Heat Transfer

By Stephen Whitaker



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Fundamental Principles of Heat Transfer introduces the fundamental concepts of heat transfer: conduction, convection, and radiation. It presents theoretical developments and example and design problems and illustrates the practical applications of fundamental principles.

The chapters in this book cover various topics such as one-dimensional and transient heat conduction, energy and turbulent transport, forced convection, thermal radiation, and radiant energy exchange. There are example problems and solutions at the end of every chapter dealing with design problems. This book is a valuable introductory course in heat transfer for engineering students.



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Published on: 2013-10-22Released on: 2013-10-22Format: Kindle eBook

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