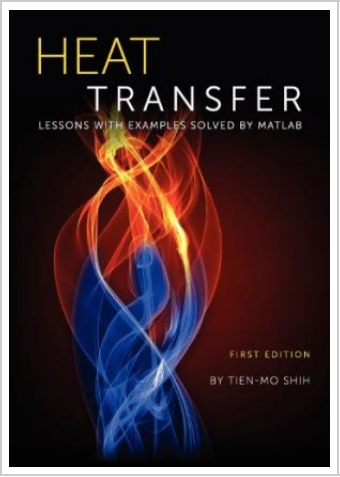

Heat Transfer: Lessons with Examples Solved by Matlab (Paperback)

By Tien-Mo Shih

Cognella, Inc, United States, 2012. Paperback. Condition: New. Language: English. Brand new Book. Heat Transfer: Lessons with Examples Solved by Matlab instructs students in heat transfer, and cultivates independent and logical thinking ability. The book focuses on fundamental concepts in heat transfer and can be used in courses in Heat Transfer, Heat and Mass Transfer, and Transport Processes. It uses numerical examples and equation solving to clarify complex, abstract concepts such as Kirchhoff's Law in Radiation.Several features characterize this textbook:It includes real-world examples encountered in daily life;Examples are mostly solved in simple Matlab codes, readily for students to run numerical experiments by cutting and pasting Matlab codes into their PCs;In parallel to Matlab codes, some examples are solved at only a few nodes, allowing students to understand the physics qualitatively without running Matlab codes;It places emphasis on "why" for engineers, not just "how" for technicians.Heat Transfer is an ideal text for students of mechanical, chemical, and aerospace engineering. It can also be used in programs for civil and electrical engineering, and physics. Rather than simply training students to be technicians, Heat Transfer uses clear examples, structured exercises and application activities that train students to be engineers. The book encourages independent...

Reviews

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