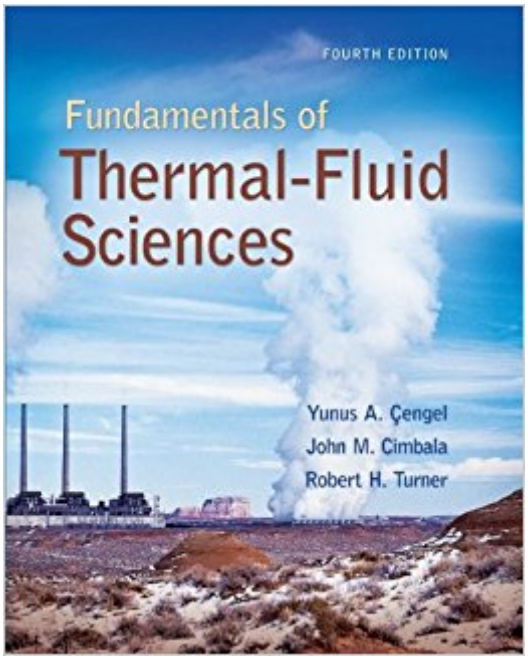
Fundamentals Of Thermal-Fluid Sciences With Student Resource DVD



Synopsis

The best-selling Fundamentals of Thermal-Fluid Sciences is designed for the non-mechanical engineering student who needs exposure to key concepts in the thermal sciences in order to pass the Fundamentals of Engineering (FE) Exam. The text is made up of Thermodynamics, Heat Transfer and Fluids. Like all the other Cengel texts, it uses a similar pedagogical approach, by using familiar everyday examples followed by theory and analysis. This edition features a return of Power and Refrigeration Cycles coverage in a revised and streamlined new chapter as well as more examples featuring sustainability and green technology. Additionally, the artwork is substantially revised and improved with more inclusion of three-dimensional figures.

Book Information

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Customer Reviews

Yunus A. Cengel is Professor Emeritus of Mechanical Engineering at the University of Nevada, Reno. He received his B.S. in Mechanical Engineering from Istanbul Technical University and his M.S. and Ph.D. in Mechanical Engineering from North Carolina State University. His areas of interest are renewable energy, energy efficiency, energy policies, heat transfer enhancement, and engineering education. He served as the Director of the Industrial Assessment Center (IAC) at the University of Nevada, Reno, from 1996 to 2000. He has led teams of engineering students to numerous manufacturing facilities in Northern Nevada and California to perform industrial assessments, and has prepared energy conservation, waste minimization, and productivity enhancement reports for them. He has also served as an advisor for various government organizations and corporations. Dr. Cengel is also the author or coauthor of the widely adopted

textbooks Fundamentals of Thermal-Fluid Sciences, Heat and Mass Transfer: Fundamentals and Applications, and Introduction to Thermodynamics, all published by McGraw-Hill Education. Some of his textbooks have been translated into Chinese, Japanese, Korean, Thai, Spanish, Portuguese, Turkish, Italian, Greek, and French. Dr. Cengel is the recipient of several outstanding teacher awards, and he has received the ASEE Meriam/Wiley Distinguished Author Award for excellence in authorship in 1992 and again in 2000. Dr. Cengel is a registered Professional Engineer in the State of Nevada, and is a member of the American Society of Mechanical Engineers (ASME) and the American Society for Engineering Education (ASEE). Robert H. Turner is Professor Emeritus of Mechanical Engineering at the University of Nevada, Reno (UNR). He earned a B.S. and M.S. from the University of California at Berkeley, and his Ph.D. from UCLA, all in mechanical engineering. He worked in industry for 18 years, including nine years at Cal Tech's Jet Propulsion Laboratory (JPL). Dr. Turner then joined the University of Nevada in 1983. His research interests include solar and renewable energy applications, thermal sciences, and energy conservation. He established and was the first director of the Industrial Assessment Center at the University of Nevada. For 20 years Dr. Turner has designed the solar components of many houses. In 1994Ã¢â ¬â œ95, in a cooperative effort between UNR and Erciyes University in Kayseri, Turkey, he designed and oversaw construction of the fully instrumented Solar Research Laboratory at Erciyes University, featuring 130 square meters of site-integrated solar collectors. His interest in applications has led Dr. Turner to maintain an active consulting practice. Dr. Turner is a registered Professional Engineer and is a member of the American Society of Mechanical Engineers (ASME) and the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE). John Cimbala (University Park, PA) is Professor of Mechanical Engineering at The Pennsylvania State University

While the book is filled with examples left and right about various problems you will encounter, there is no answer key to look and see if you got the correct answer. This is one of the downfalls of the book. However, all in all, the explanation of concepts and thorough explanation of the examples leads students in the right direction when encountering practice problems.

The book is OK, but why does Cengel charge such an outrageous amount?

came slightly damaged.

Good looking

Not much fluff. Very to the point with introducing the material. Would recommend the solutions manual as very few answers are given to the practice problems.

fine

I found this class to be pretty easy when other people hated it. GET TO KNOW HOW THE TABLES WORK and you will be fine

Required for college class.

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