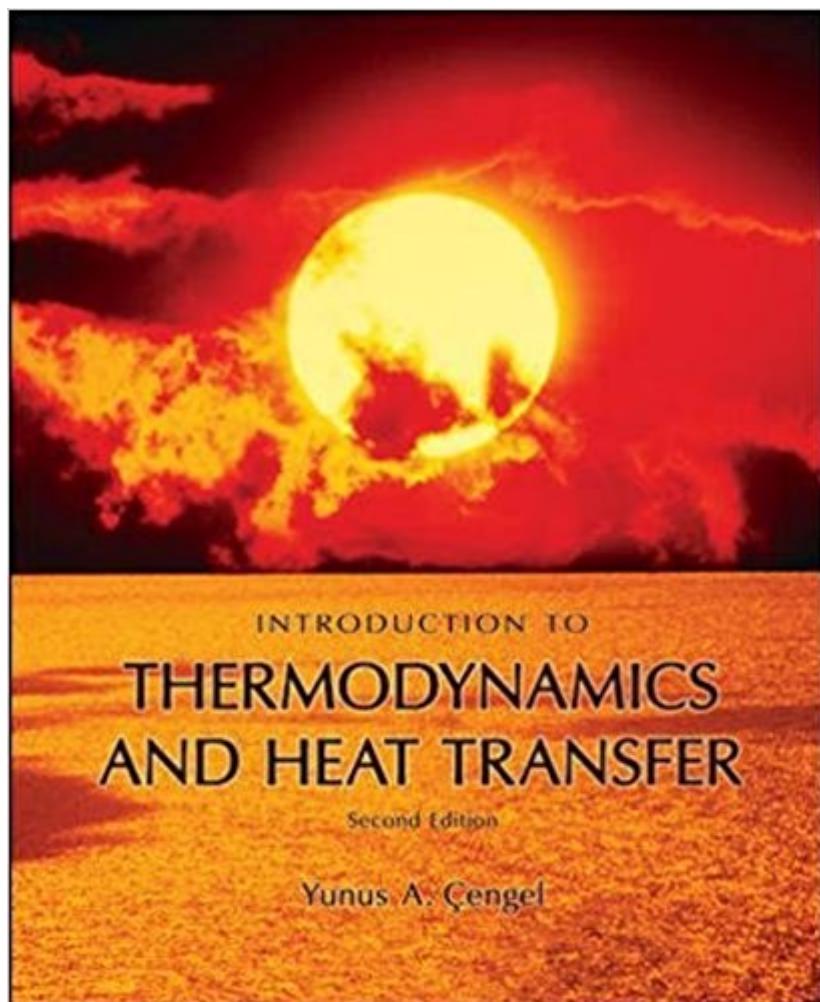


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# Introduction To Thermodynamics And Heat Transfer + EES Software



## **Synopsis**

Introduction to Thermodynamics and Heat Transfer provides balanced coverage of the basic concepts of thermodynamics and heat transfer. Together with the clear and numerous illustrations, student-friendly writing style, and manageable math, this is an ideal text for an introductory thermal science course for non-mechanical engineering majors. Continuing in the tradition of Cengel/Boles: Thermodynamics, this lavishly illustrated text presents the key topics in thermodynamics and heat transfer, in a highly accessible student-friendly fashion. The flexibly organized text can accommodate courses that spend anywhere from 1/3rd to 2/3rds or more of class time on thermodynamics and the rest on key heat transfer topics. The intuitive approach is supported by a wealth of physical explanations and analogies that draw parallels between the subject and the students' everyday experiences. Many of the 150 thoroughly worked out examples and almost 2,000 real-world problems, highlight applications from civil and electrical engineering. Over 1,000 illustrations help students visualize concepts. This approach and contents make this text an ideal resource for introduction to thermodynamics and/or thermal science courses intended for non-mechanical engineering majors.

## **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).

Bought this for a class. Great tables etc in the back, text is OK too. Not my field so I likely won't use it again.

A++

I have been pleasantly surprised with the clarity and breadth of this book.. Great for non engineers as well... Wish my thermo textbook had been half this good!!!

Book in pretty good shape, however the binding had a small rip on the top that wasn't disclosed nothing a little tape couldn't fix though.

had to get this book for school. . Good price! needed it for the class. Glad it was available here!

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