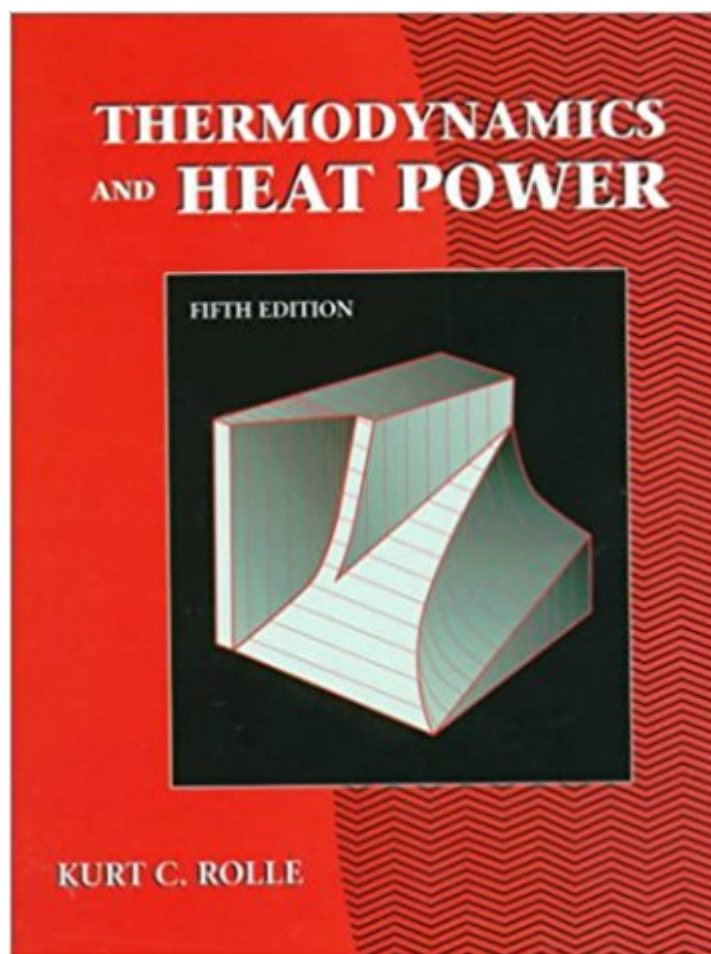


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Thermodynamics And Heat Power (5th Edition)



Synopsis

This popular book presents the fundamental concepts of thermodynamics and their practical applications to heat power, heat transfer, and heating and air conditioning. It addresses real-world problems in engineering and design • without stressing abstract mathematics • and uses a unique calculus/non-calculus based approach that ensures a rigorous treatment of each subject appropriate to the mathematics level of each reader. Includes a software package for doing cycles, combustion and radiation Heat Transfer problems with parametric analyses. Develops concepts and example problems in contexts that are based on “real world” applications. Offers unique optional Calculus for Clarity sections for readers who have a background in differential and integral calculus. Provides a complete introduction to convection, conduction, and radiation heat transfer; and examines application of thermodynamic principles to power-producing and consuming mechanical devices such as nozzles, pumps, turbines, gas and steam engines, heat pumps, and refrigeration systems. Features an eight-chapter treatment of heat power/combustion/transfer and HVAC (one of the most extensive available in a book at this level). For those in mechanical, manufacturing, industrial, and engineering technology interested in thermodynamics and heat transfer.

Book Information

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Customer Reviews

A new edition of this popular, practical presentation of thermodynamics and its applications...the one specifically designed for mechanical, manufacturing, industrial, and engineering technology

programs. Thermodynamics and Heat Power, Fourth Edition provides a complete introduction to convection, conduction, and radiation heat transfer; and examines application of thermodynamic principles to power-producing and consuming mechanical devices such as nozzles, pumps, turbines, gas and steam engines, heat pumps, and refrigeration systems. --This text refers to an alternate Paperback edition.

This popular book presents the fundamental concepts of thermodynamics and their practical applications to heat power, heat transfer, and heating and air conditioning. It addresses real-world problems in engineering and design; without stressing abstract mathematics; and uses a unique calculus/non-calculus based approach that ensures a rigorous treatment of each subject appropriate to the mathematics level of each reader. Includes a software package for doing cycles, combustion and radiation Heat Transfer problems with parametric analyses. Develops concepts and example problems in contexts that are based on real world applications. Offers unique optional Calculus for Clarity sections for readers who have a background in differential and integral calculus. Provides a complete introduction to convection, conduction, and radiation heat transfer; and examines application of thermodynamic principles to power-producing and consuming mechanical devices such as nozzles, pumps, turbines, gas and steam engines, heat pumps, and refrigeration systems. Features an eight-chapter treatment of heat power/combustion/transfer and HVAC (one of the most extensive available in a book at this level). For those in mechanical, manufacturing, industrial, and engineering technology interested in thermodynamics and heat transfer.

Great condition as described

This book might be a little confusing to read but it has all of the essential equations that you need for the Heat Power part of Thermodynamics. There is a wonderful chart in back that lists all of the variables, what they are, and their units. It is a very useful book for reference if nothing else.

The book was in the worst possible condition. The cover was torn and chipped off. In fact there is also a stamp on the book that says "Damaged". Embarrassed to carry it in public. Lacking behind in the semester, so can't return it.

i havent read the whole book; my review is for the sender..it came on time as i expected..

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