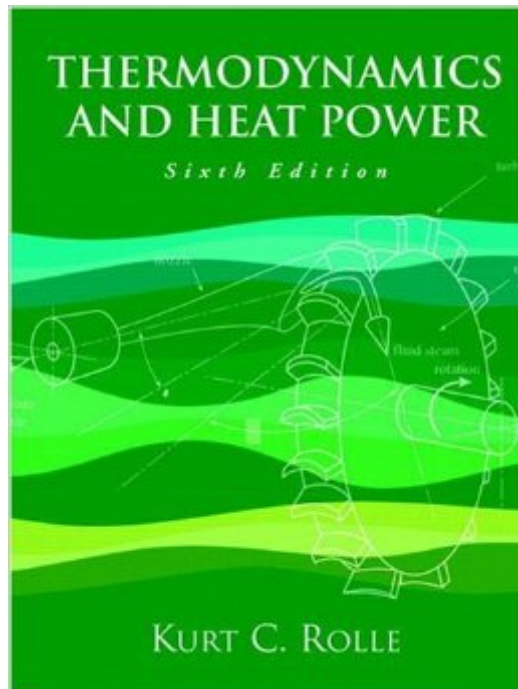# Thermodynamics And Heat Power (6th Edition)

THERMODYNAMICS AND HEAT POWER

Sixth Edition

KURT C. ROLLE

Synopsis

This book presents learners with the fundamental concepts of thermodynamics and their practical application to heat power, heat transfer, and heating and air conditioning. It addresses real-world problems in engineering and design - rather than focusing on abstract mathematics.   Chapter topics include the thermodynamic system; work, heat, and reversibility; conservation of mass and the first law of thermodynamics; equations of state and calorimetry; availability and useful work; the internal combustion engine and the Otto and Diesel cycles; gas turbines, jet propulsion, and the Brayton cycle; steam power generation and the Rankine cycle; refrigeration and heat pumps; and much more.   For use in engineering technology programs.

Book Information

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Customer Reviews

I knew it would take a while before it shipped/was delivered, but it's past the date and there is no tracking information. I know the weather has been crazy recently but you had 3 weeks to get it here. I have a test this week in Thermo that I can't study for.

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.

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.

Thermodynamics and Heat Power (6th Edition) Thermodynamics, Statistical Thermodynamics, & Kinetics (3rd Edition) Thermodynamics With Quantum Statistical Illustrations. Monographs in Statistical Physics and Thermodynamics, Volume 2 Compact Heat Exchangers for Energy Transfer Intensification: Low Grade Heat and Fouling Mitigation High Heat (Nikki Heat) Edge of the Heat Box Set Books 1-7: Edge of the Heat Firefighter Romance Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power Chemical Thermodynamics: Basic Theory and Methods, 6th Edition Physics for Scientists and Engineers, Vol. 1, 6th: Mechanics, Oscillations and Waves, Thermodynamics, Got Sun? Go Solar, Expanded 2nd Edition: Harness Nature's Free Energy to Heat and Power Your Grid-Tied Home Energy and power: How man uses animals, wind, water, heat, electricity, chemistry, and atoms to help him in his daily living (Golden library of knowledge) Electricity for the Farm: Light, Heat and Power by Inexpensive Methods from the Water Wheel Or Farm Engine Turn Up The Heat: Unlock the Fat-Burning Power of Your Metabolism Clinically Oriented Anatomy 6th Edition Testbank: Testbank Questions for the book Clinically Oriented Anatomy 6th Edition Molecular Driving Forces: Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience, 2nd Edition Thermodynamics and Its Applications (3rd Edition) Chemical and Process Thermodynamics (3rd Edition) Fluid Mechanics and Thermodynamics of Turbomachinery, Seventh Edition Molecular Driving Forces: Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience, Second Edition Thermodynamics in Materials Science, Second Edition