



Understanding Thermodynamics Dover Books on Physics

By H. C. Van Ness

Dover Publications. Paperback. Book Condition: New. Paperback. 128 pages. Dimensions: 7.8in. x 5.3in. x 0.3in. Grappling with the first and second laws of thermodynamics can test the intellectual mettle of even the most dedicated student of the physical sciences. Approaching the subject for the first time may raise more queries and doubts than are usually handled in the basic, straightforward textbook. Based on a series of lectures delivered to 500 sophomore engineering students at Rensselaer Polytechnic Institute, Dr. Van Neers clear, lucid treatment is readily comprehensible by undergraduate-level science and engineering students. His language is informal, his examples are vivid and lively, his perspective is fresh. This book, a companion to a basic textbook, discusses thermodynamics, a topic of profound importance in the study of physics, in a manner which elucidates fundamental concepts and demonstrates their practical applicability. In these increasingly energy-conscious and costly times, as traditional energy sources are being depleted and revolutionary new sources are contemplated, appreciating the consequences of the laws of thermodynamics is more than a fascinating avenue of intellectual inquiry: it is a pragmatic concern imperative to all students, scientists, engineers, technicians, politicians, businessmen, and anyone facing the energy challenges of the future. Here is help...



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