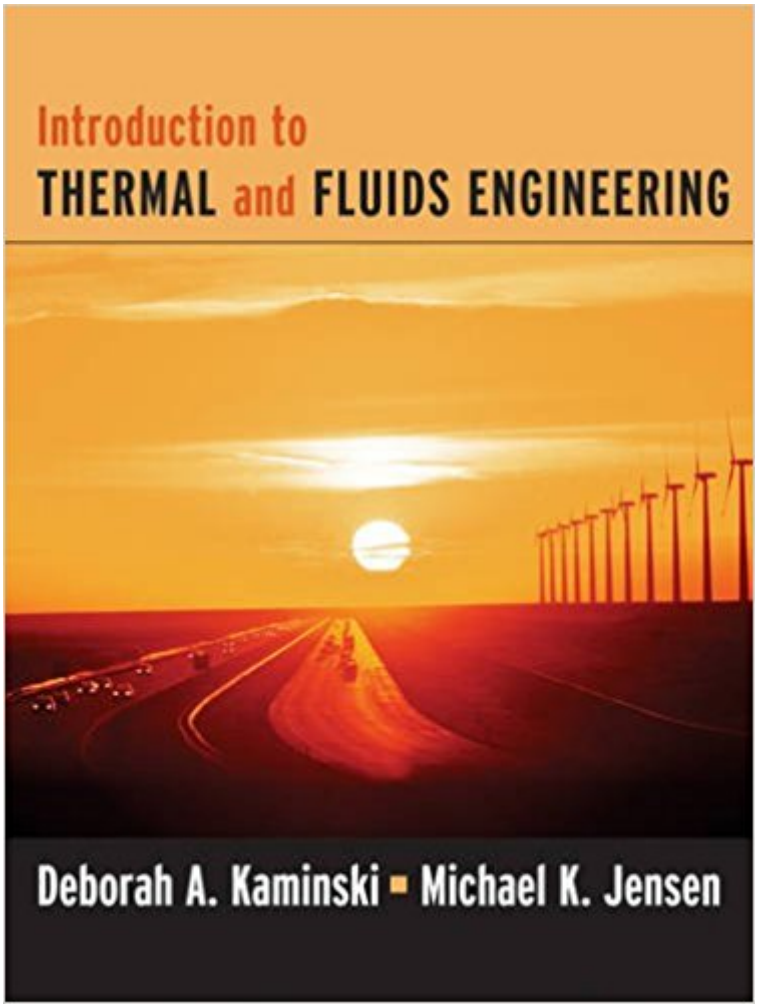
Introduction To Thermal And Fluids Engineering



Synopsis

Using unifying themes so that the boundaries between thermodynamics, heat transfer and fluid mechanics becomes transparent, this book presents an in-depth examination of the three disciplines providing the reader with the background to solve problems.

Book Information

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Customer Reviews

The thermal sciences in an integrated approach! In the real world, thermal systems problems donâ ™t always conform to the rigid disciplinary lines of thermodynamics, fluid mechanics, and heat transfer. More often, youâ ™ll need to draw from all three of these disciplines to find a solution. Thatâ ™s why Deborah Kaminski and Michael Jensen present a highly innovative and integrated approach that highlights the interconnections among thermodynamics, fluid mechanics, and heat transfer. The text introduces these three topics early, allowing students to build a firm foundation for later chapters. Throughout the text, integrated examples and problems illustrate the interconnected nature of the three disciplines. Kaminski and Jensenâ ™s approach features: Early introduction of heat transfer and fluids, to allow application of these concepts early in the course. Common notation used throughout the text, to emphasize the links among thermodynamics, fluids, and heat transfer. Example problems that integrate the three disciplines. These problems demonstrate how to incorporate information from several different disciplines in solving problems. Approach sections in the example problem solutions, which identify where you are going before beginning a problem. Additionally, assumptions are stated as needed, allowing you to see the problem-solving process in

action. Clear descriptions of physical and fundamental processes that relate to what you may observe in your everyday life. Over 150 worked examples and 850 homework problems. --This text refers to an out of print or unavailable edition of this title.

Introduction to Thermal and Fluids Engineering PE Mechanical Engineering: Thermal and Fluids Practice Exam Fluids and Electrolytes: NCLEX Mastery - The EASY Guide to Understand Fluids and Electrolytes!: Basic + Advanced concepts made incredibly easy!! CRC Handbook of Thermal Engineering (Mechanical and Aerospace Engineering Series) Dynamics of Fluids in Porous Media (Dover Civil and Mechanical Engineering) Thermal Environmental Engineering (3rd Edition) An Introduction to Biomechanics: Solids and Fluids, Analysis and Design Synthetic Lubricants and High-Performance Functional Fluids (Chemical Industries) Fluids and Electrolytes, 3e Acid-Base, Fluids, and Electrolytes Made Ridiculously Simple (MedMaster Series) Fluids, Electrolytes and Acid-Base Balance: a Guide for Nurses + Practice Questions, Case Studies, Charts Experiments in Physics: Mechanics and Fluids Fuel for Young Athletes: Essential Foods and Fluids for Future Champions Protein Physics, Second Edition: A Course of Lectures (Soft Condensed Matter, Complex Fluids and Biomaterials) Fundamental Mechanics of Fluids, Fourth Edition Phase Behavior of Petroleum Reservoir Fluids The Properties of Petroleum Fluids Acid-Base, Fluids, Lytes Pocketcare Set Fluids & Electrolytes Made Incredibly Easy! (Incredibly Easy! SeriesÃ Â®) Safety in the Handling of Cryogenic Fluids (International Cryogenics Monograph Series)