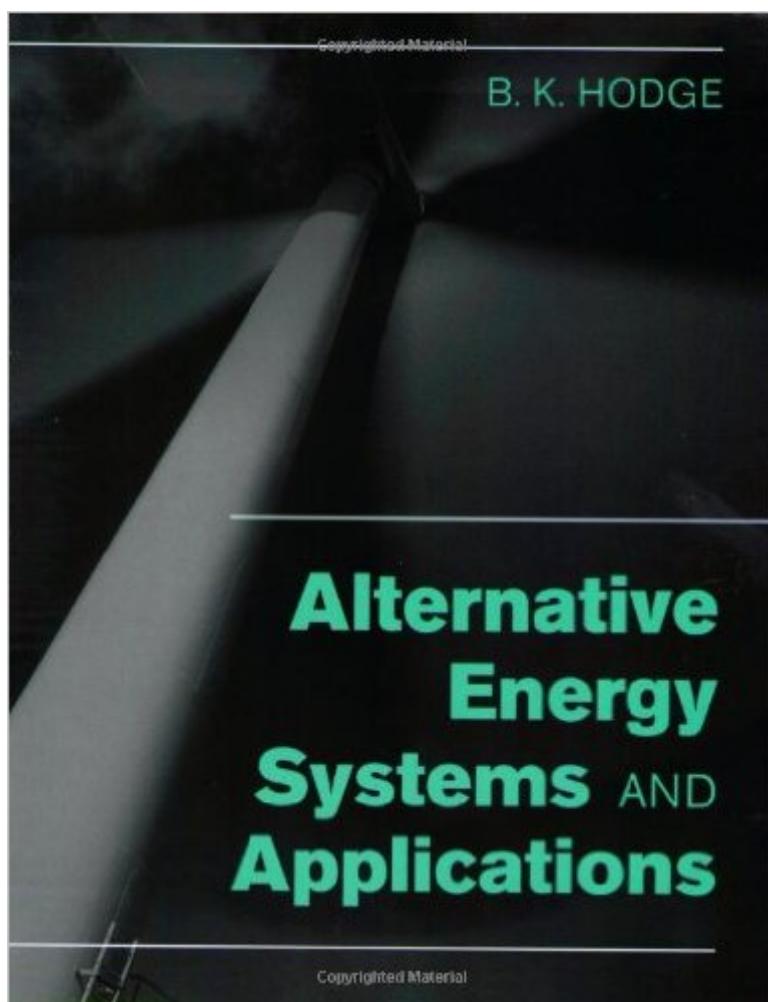


The book was found

Alternative Energy Systems And Applications



Synopsis

The solution to our current energy dilemma will contain features of both alternate energy sources and alternate use of existing energy sources. In order to help engineers find this solution, Alternative Energy Systems covers a wide range of concepts. They will examine areas involving real turbomachine and solar energy, CHP applications, and additional alternate energy concepts. All chapters focus on first-order engineering calculations. Alternate energy topics are also equated to topics related to renewable energy resources. Engineers will learn how to apply these concepts to find new solutions.

Book Information

Paperback: 432 pages

Publisher: Wiley (April 13, 2009)

Language: English

ISBN-10: 0470142502

ISBN-13: 978-0470142509

Product Dimensions: 7.5 x 0.6 x 9.1 inches

Shipping Weight: 1.5 pounds

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (10 customer reviews)

Best Sellers Rank: #306,095 in Books (See Top 100 in Books) #29 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Solar #463 in Books > Textbooks > Engineering > Mechanical Engineering #1164 in Books > Engineering & Transportation > Engineering > Mechanical

Customer Reviews

This text covers a broad range of renewable energy technologies. It does require, however, prerequisite knowledge of fluid mechanics. This disclaimer is made clear at the very beginning of the text, so if you do not have such foundational knowledge in fluid mechanics, it will be very difficult to understand and appreciate the application of this knowledge to the technologies that are discussed in this book. In my opinion, one consistent problem in this text that I found difficult to deal with is that the variables that are captured as part of a formula are not clearly defined immediately after the presentation of the formula to the reader. In general, the variables in these formulas are not defined until several pages after the formula is introduced. For example, once equations (7-3) and (7-4) are introduced to the reader in Chapter 7, the variables cp and $Tave$ are not defined immediately after these two formulas are introduced to the reader for the first time in this Chapter. In

addition, the figure that I believe is intended to highlight these two formulas does not disclose the meaning of these two variables. It is not until two pages later that the meaning the variable *Tave* is clearly defined. However, the variable *cp* still remains to be defined. In my opinion, this book would be much easier to read if the variables that are introduced in a formula for the first time are clearly defined immediately or very shortly after the formula is introduced to the reader. Another issue that I found with the text is that the exercise problems at the end of some chapters, like Chapter 2, for example, are missing critical information in order to solve the problems, such as the numerical values of the angles in Problem 3 at the end of Chapter 2.

[Download to continue reading...](#)

Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources Alternative Energy Systems and Applications Jill Enfield's Guide to Photographic Alternative Processes: Popular Historical and Contemporary Techniques (Alternative Process Photography) Building Green, New Edition: A Complete How-To Guide to Alternative Building Methods Earth Plaster * Straw Bale * Cordwood * Cob * Living Roofs (Building Green: A Complete How-To Guide to Alternative) Alternative Photographic Processes: Crafting Handmade Images (Alternative Process Photography) Introduction to Hydro Energy Systems: Basics, Technology and Operation (Green Energy and Technology) Hard Real-Time Computing Systems: Predictable Scheduling Algorithms and Applications (Real-Time Systems Series) Real-Time Systems: Design Principles for Distributed Embedded Applications (Real-Time Systems Series) Hybrid and Alternative Fuel Vehicles (4th Edition) (Automotive Systems Books) CHAKRAS: Chakras for Beginners - Awaken Your Internal Energy and Learn to Radiate Positive Energy and Start Healing (Chakras, Chakras For Beginners, Awaken Chakras, Third Eye) Crystal Healing: How crystal healing works, crystal therapy, the human energy field, gemstones, and how to use crystals for healing and increased energy! Energy for the 21st Century: Opportunities and Challenges for Liquefied Natural Gas (LNG) (New Horizons in Environmental and Energy Law series) Energy Trading and Investing: Trading, Risk Management and Structuring Deals in the Energy Market Energy Accounts: Architectural Representations of Energy, Climate, and the Future The Homeowner's Guide to Renewable Energy: Achieving Energy Independence Through Solar, Wind, Biomass, and Hydropower The Renewable Energy Handbook: A Guide to Rural Energy Independence, Off-Grid and Sustainable Living Airborne Wind Energy (Green Energy and Technology) Cape Wind: Money, Celebrity, Energy, Class, Politics, and the Battle for Our Energy Future The Energy Bus: 10 Rules to Fuel Your Life, Work, and Team with Positive Energy A Smart Energy Policy: An Economist's Rx for Balancing Cheap, Clean, and Secure Energy

[Dmca](#)