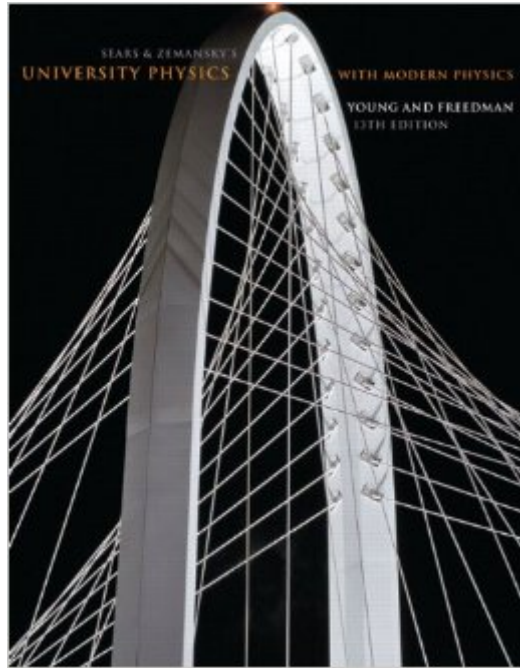


The book was found

Sears And Zemansky's University Physics With Modern Physics, 13th Edition



Synopsis

University Physics with Modern Physics , Thirteenth Edition continues to set the benchmark for clarity and rigor combined with effective teaching and research-based innovation. University Physics is known for its uniquely broad, deep, and thoughtful set of worked examplesâ “key tools for developing both physical understanding and problem-solving skills. The Thirteenth Edition revises all the Examples and Problem-Solving Strategies to be more concise and direct while maintaining the Twelfth Edition’s consistent, structured approach and strong focus on modeling as well as math. To help students tackle challenging as well as routine problems, the Thirteenth Edition adds Bridging Problems to each chapter, which pose a difficult, multiconcept problem and provide a skeleton solution guide in the form of questions and hints. The text’s rich problem setsâ “developed and refined over six decadesâ “are upgraded to include larger numbers of problems that are biomedically oriented or require calculus. The problem-set revision is driven by detailed student-performance data gathered nationally through MasteringPhysics®, making it possible to fine-tune the reliability, effectiveness, and difficulty of individual problems. Complementing the clear and accessible text, the figures use a simple graphic style that focuses on the physics. They also incorporate explanatory annotationsâ “a technique demonstrated to enhance learning. This package contains: University Physics with Modern Physics, Thirteenth Edition

Book Information

Hardcover: 1600 pages

Publisher: Addison-Wesley; 13th edition (January 8, 2011)

Language: English

ISBN-10: 0321696867

ISBN-13: 978-0321696861

Product Dimensions: 8.9 x 2.2 x 11 inches

Shipping Weight: 7.2 pounds

Average Customer Review: 4.1 out of 5 stars See all reviews (144 customer reviews)

Best Sellers Rank: #16,548 in Books (See Top 100 in Books) #25 in Books > Science & Math > Science for Kids #37 in Books > Textbooks > Science & Mathematics > Physics #153 in Books > Science & Math > Physics

Customer Reviews

This book has clear explanations, nice pictures and good exercise problems. Interesting applications of physics like swiping of an ATM card and working of touchscreen devices are also

mentioned. Exercise problems are categorized by section. Knowledge of differential and integral calculus is recommended, although you can learn a great deal even without it. Overall, this is simply the best introductory physics textbook out there!The following is the table of contents:

MECHANICS

1. Units, Physical Quantities, and Vectors
2. Motion Along a Straight Line
3. Motion in Two or Three Dimensions
4. Newton's Laws of Motion
5. Applying Newton's Laws
6. Work and Kinetic Energy
7. Potential Energy and Energy Conservation
8. Momentum, Impulse, and Collisions
9. Rotation of Rigid Bodies
10. Dynamics of Rotational Motion
11. Equilibrium and Elasticity
12. Fluid Mechanics
13. Gravitation
14. Periodic Motion

WAVES/ACOUSTICS

15. Mechanical Waves
16. Sound and Hearing

THERMODYNAMICS

17. Temperature and Heat
18. Thermal Properties of Matter
19. The First Law of Thermodynamics
20. The Second Law of Thermodynamics

ELECTROMAGNETISM

21. Electric Charge and Electric Field
22. Gauss's Law
23. Electric Potential
24. Capacitance and Dielectrics
25. Current, Resistance, and Electromotive Force
26. Direct-Current Circuits
27. Magnetic Field and Magnetic Forces
28. Sources of Magnetic Field
29. Electromagnetic Induction
30. Inductance
31. Alternating Current
32. Electromagnetic Waves

OPTICS

33. The Nature and Propagation of Light
34. Geometric Optics and Optical Instruments
- 35.

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

Sears and Zemansky's University Physics with Modern Physics, 13th Edition
 Sears and Zemansky's University Physics, Vol. 2, 13th Edition
 Dolls and Teddy Bear Department : Memorable Catalog Pages from the Legendary Sears Christmas Wishbooks of the 1950s and 1960s, Volume I
 Everyday Fashions of the Twenties: As Pictured in Sears and Other Catalogs (Dover Fashion and Costumes)
 Everyday Fashions, 1909-1920, As Pictured in Sears Catalogs (Dover Fashion and Costumes)
 Everyday Fashions of the Thirties As Pictured in Sears Catalogs (Dover Fashion and Costumes)
 Everyday Fashions of the Forties As Pictured in Sears Catalogs (Dover Fashion and Costumes)
 Everyday Fashions of the Fifties As Pictured in Sears Catalogs (Dover Fashion and Costumes)
 Everyday Fashions of the Sixties As Pictured in Sears Catalogs (Dover Fashion and Costumes)
 Baby on the Way (Sears Children's Library)
 You Can Go to the Potty (Sears Children Library)
 1908 Sears, Roebuck & Co. Catalogue
 Sears Roebuck & Co. Consumer's Guide for 1894
 1897 Sears Roebuck & Co. Catalogue
 The Baby Sleep Book: The Complete Guide to a Good Night's Rest for the Whole Family (Sears Parenting Library)
 The No-Cry Sleep Solution: Gentle Ways to Help Your Baby Sleep Through the Night: Foreword by William Sears, M.D.
 Sears, Roebuck Catalog of Houses, 1926: Small Houses of the Twenties - An Unabridged Reprint
 Canoeing the Adirondacks with Nessmuk: The Adirondack Letters of George Washington Sears

Insurance Law And Regulation: Cases And Materials (University Casebook) (University Casebooks)
Spinal Cord Injury and the Family: A New Guide (Harvard University Press Family Health Guides)
(The Harvard University Press Family Health Guides)

[Dmca](#)