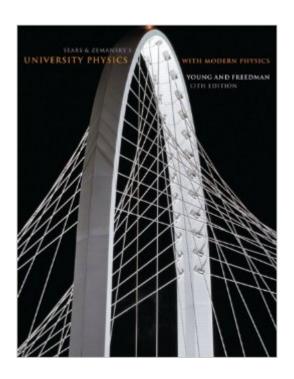
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Sears And Zemansky's University Physics With Modern Physics, 13th Edition





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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 Â See all reviews (144 customer reviews)

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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:MECHANICS1. Units, Physical Quantities, and Vectors2. Motion Along a Straight Line3. Motion in Two or Three Dimensions 4. Newton's Laws of Motion 5. Applying Newton's Laws 6. Work and Kinetic Energy7. Potential Energy and Energy Conservation8. Momentum, Impulse, and Collisions9. Rotation of Rigid Bodies10. Dynamics of Rotational Motion11. Equilibrium and Elasticity12. Fluid Mechanics13. Gravitation14. Periodic MotionWAVES/ACOUSTICS15. Mechanical Waves16. Sound and HearingTHERMODYNAMICS17. Temperature and Heat18. Thermal Properties of Matter 19. The First Law of Thermodynamics 20. The Second Law of ThermodynamicsELECTROMAGNETISM21. Electric Charge and Electric Field22. Gauss's Law23. Electric Potential24. Capacitance and Dielectrics25. Current, Resistance, and Electromotive Force26. Direct-Current Circuits27. Magnetic Field and Magnetic Forces28. Sources of Magnetic Field29. Electromagnetic Induction30. Inductance31. Alternating Current32. Electromagnetic WavesOPTICS33. The Nature and Propagation of Light34. Geometric Optics and Optical Instruments35.

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