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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Cover -- Table of Contents -- 1. Introduction to Physics -- Problem Set (Updated 4/e): Introduction to Physics -- 2. One-Dimensional Kinematics -- Problem Set (Updated 4/e): One-Dimensional Kinematics -- 3. Vectors in Physics -- Problem Set (Updated 4/e): Vectors in Physics -- 4. Two-Dimensional Kinematics -- Problem Set (Updated 4/e): Two-Dimensional Kinematics -- 5. Newton's Laws of Motion -- Problem Set (Updated 4/e): Newton's Laws of Motion -- 6. Application of Newton's Laws -- Problem Set (Updated 4/e): Application of Newton's Laws -- Physics in Perspective: Force, Acceleration, and Motion -- 7. Work and Kinetic Energy -- Problem Set (Updated 4/e): Work and Kinetic Energy -- 8. Potential Energy and Conservation of Energy -- Problem Set (Updated 4/e): Potential Energy and Conservation of Energy -- Physics in Perspective: Energy: A Breakthrough in Physics -- 9. Linear Momentum and Collisions -- Problem Set (Updated 4/e): Linear Momentum and Collisions -- 10. Rotational Kinematics and Energy -- Problem Set (Updated 4/e): Rotational Kinematics and Energy -- 11. Rotational Dynamics and Static Equilibrium -- Problem Set (Updated 4/e): Rotational Dynamics and Static Equilibrium -- Physics in Perspective: Momentum: A Conserved Quantity -- 12. Gravity -- Problem Set (Updated 4/e): Gravity -- 13. Oscillations About Equilibrium -- Problem Set (Updated 4/e): Oscillations About Equilibrium -- 14. Waves and Sound -- Problem Set (Updated 4/e): Waves and Sound -- 15. Fluids -- Problem Set (Updated 4/e): Fluids -- 16. Temperature and Heat -- Problem Set (Updated

4/e): Temperature and Heat -- 17. Phases and Phase Changes -- Problem Set (Updated 4/e): Phases and Phase Changes -- 18. The Laws of Thermodynamics -- Problem Set (Updated 4/e): The Laws of Thermodynamics -- Physics in Perspective: Entropy and Thermodynamics.

19. Electric Charges, Forces, and Fields -- Problem Set (Updated 4/e): Electric Charges, Forces, and Fields -- 20. Electric Potential and Electric Potential Energy -- Problem Set (Updated 4/e): Electric Potential and Electric Potential Energy -- 21. Electric Current and Direct-Current Circuits -- Problem Set (Updated 4/e): Electric Current and Direct-Current Circuits -- 22. Magnetism -- Problem Set (Updated 4/e): Magnetism -- 23. Magnetic Flux and Faraday's Law of Induction -- Problem Set (Updated 4/e): Magnetic Flux and Faraday's Law of Induction -- Physics in Perspective: Electricity and Magnetism -- 24. Alternating-Current Circuits -- Problem Set (Updated 4/e): Alternating-Current Circuits -- 25. Electromagnetic Waves -- Problem Set (Updated 4/e): Electromagnetic Waves -- 26. Geometrical Optics -- Problem Set (Updated 4/e): Geometrical Optics -- 27. Optical Instruments -- Problem Set (Updated 4/e): Optical Instruments -- 28. Physical Optics: Interference and Diffraction -- Problem Set (Updated 4/e): Physical Optics: Interference and Diffraction -- Physics in Perspective: Waves and Particles: A Theme of Modern Physics -- 29. Relativity -- Problem Set (Updated 4/e): Relativity -- 30. Quantum Physics -- Problem Set (Updated 4/e): Quantum Physics -- 31. Atomic Physics -- Problem Set (Updated 4/e): Atomic Physics -- Appendix: Typical Values -- Appendix: Planetary Data -- Appendix: Elements of Electrical Circuits -- Appendix: Periodic Table of the Elements -- Preface -- Index.

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