



Physics for Scientists and Engineers, Volume 1, Chapters 1-22, 7th Edition

By Serway, Raymond A.; Jewett, John W.

Brooks Cole, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Part I: MECHANICS. 1. Physics and Measurement. 2. Motion in One Dimension. 3. Vectors. 4. Motion in Two Dimensions. 5. The Laws of Motion. 6. Circular Motion and Other Applications of Newton's Laws. 7. Energy of a System. 8. Conservation of Energy. 9. Linear Momentum and Collisions. 10. Rotation of a Rigid Object About a Fixed Axis. 11. Angular Momentum. 12. Static Equilibrium and Elasticity. 13. Universal Gravitation. 14. Fluid Mechanics. Part II: OSCILLATIONS AND MECHANICAL WAVES. 15. Oscillatory Motion. 16. Wave Motion. 17. Sound Waves. 18. Superposition and Standing Waves. Part III: THERMODYNAMICS. 19. Temperature. 20. Heat and the First Law of Thermodynamics. 21. The Kinetic Theory of Gases. 22. Heat Engines, Entropy, and the Second Law of Thermodynamics. APPENDIXES. A. Tables. B. Mathematics Review. C. Periodic Table of the Elements. D. SI Units. Answers to Odd-Numbered Problems. Index.



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