



## Problems in Physics : For JEE-IIT and Equivalent Examinations (4 Vols-Set)

By Arun Kumar

Atlantic, 2003. Hardcover. Book Condition: New. Dust Jacket Condition: New. 1st Edition. Contents: Preface. Vol. I: 1. Units and dimensions. 2. Scalars and vectors. 3. Kinematics. 4. Newtons Laws of motion. 5. Friction. 6. Circular motion. 7. Work, power and energy. Vol. II: 8. Centre of mass, linear momentum and collision. 9. Rotational mechanics. 10. Simple harmonic motion. 11. Gravitation. 12. Fluid mechanics. 13. Elasticity, surface tension and viscosity. Vol. III: 14. Thermal expansion and calorimetry. 15. Laws of thermodynamics. 16. Transfer of heat : conduction, convection and radiation. 17. Kinetic theory of gases. 18. Wave motion, velocity and superposition of mechanical waves. 19. Vibration of string and air columns, Dopplers effect. 20. Reflection and refraction of light at plane surfaces. 21. Dispersion : prism. 22. Reflection and refraction at spherical surfaces : spherical mirror and thin lens. 23. Wave nature of light : interference, diffraction and polarisation. Vol. IV: 24. Electric field and potential. 25. Conductors, capacitors and dielectrics. 26. Electrical circuits : Ohms law, Kirchoffs law, heating effect. 27. Magnetic effect of current. 28. Electromagnetic induction. 29. Atomic physics. 30. Nuclear physics. 31. Electronics. "The book contains a variety of problems, selected from the books by renowned authorities...



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