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Introduction to Understandable Physics: Volume II: Matter, and Heat Waves (Paperback)

By Will Winn

AUTHORHOUSE, United States, 2010. Paperback. Book Condition: New. 279 x 213 mm. Language: English Brand New Book ***** Print on Demand *****.Will Winn has written with the goal of presenting physics concepts in a building-block fashion. In mathematical tools covered in are summarized in an Appendix, as a reference for learning the physics. As builds on the of , it is expected that the student will have mastered the material of this earlier volume. The present volume begins with a historical review of how the atomic nature of matter was discovered. Then this background is applied in the study of solids, liquids, and gases. Next the kinetic nature of gases is extended to examine heat and temperature concepts for the above states of matter. Following a study of heat transfer modes (conduction, convection, and radiation), thermodynamics is introduced to examine heat engines and the concept of entropy. Next a study of the general nature of waves is appropriate, since a number of wave speeds had already been developed in the preceding examination of mechanics, matter and heat. Finally, these wave concepts are applied to a study of sound, including human response and the nature of music. Near the end of...



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