



Physical Laboratory Experiments for Engineering Students, Vol. 1: Mechanics, Sound, Heat, and Light (Classic Reprint) (Paperback)

By Samuel Sheldon

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Physical Laboratory Experiments for Engineering Students, Vol. 1: Mechanics, Sound, Heat, and Light The material in this volume was prepared for the use of sophomore students in the Polytechnic Institute of Brooklyn. All of these students are candidates for engineering degrees and most of them, when they entered as freshmen, had pursued courses in laboratory physics in the high schools of Greater New York, which are generally supplied with superior laboratory equipments. The book comprises thirty exercises, and the performance of each is designed to occupy three hours of the student's time. The course, therefore, covers three hours per week for two semesters. Each experiment has been chosen because of its close connection with engineering work, and in many cases the theoretical result may be calculated from the constants of the apparatus with which that result obtained by experiment may readily be compared. As these two results approach to an equality the student gains confidence in the apparatus, confidence in the theory, and confidence in himself. Apparatus of engineering design has been chosen for...



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