Experiments in Physics, for Students of Science and Engineering (Paperback)

By Ernest Blaker

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1905 edition. Excerpt: . the distance from the upper fixed end to the fingers corresponds to nea rly a half wave length; when vibrating in two segments the distance corresponds to a whole wave length; and when vibrating in three segments it corresponds to one and a half wave lengths. Since in the formula v=f, where v is the velocity of propogation, A the wave length, and f the frequency; v is constant, show the relation between A and f in any set of observations. In paragraphs 275 and 276 (Watson s Physics) it is shown that T v=s/--; that is, that v varies with the square root of the tenm sion. Verify this from the data taken. Take the suspended mass off and from the upper end of the the rope produce stationary waves having one, two and three nodes between the upper and lower ends, note...

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