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A Text-Book on Sound; The Substantial Theory of Acoustics Adapted to the Use of Schools, Colleges, Etc

By John I Swander

Theclassics.us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1887 edition. Excerpt: . I absolute mechanical measurement, that a tuning-fork will sound audibly, held in the fingers, when its prongs, though alternating rapidly, have so nearly come to rest, and consequently when they are moving over such an infinitesimal space at each swing, that their actual velocity of travel, at the swiftest portion of the oscillation, is less than at the rate of one inch in two years, or about twentyfive thousand times slower than the hour hand of a family clock! Q. 25. By what mechanical process is it possible to measure such slow motion? A. It is done by a method discovered and first announced by A. Wilford Hall, founder of the Substantial Philosophy, as set forth in the Microcosm, Vol. III., page 90, and carried out mathematically by Capt. It. Kelso Carter, Professor of Higher Mathematics in Pennsylvania Military Institute, as set forth...



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