



A Text-Book of Physics Volume 2

By John Henry Poynting

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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. 1900 edition. Excerpt: .of vibration of particular points in strings. It is represented in Fig. 38, and consists of a tuning-fork which carries at the end of one prong the objective, L, of a microscope with fixed eye-piece, M. The fork is electrically maintained by the electro-magnet E. B is a small Fio. 39.--Curve of violin-string given by vibration microscope with which it is in unison; abt line seen when fork alone vibrates; cd, curve seen when the string also vibrates. C, time circle with diameter equal to ab. The dotted lines being drawn through equidistant points on the circumference of C, mark off equal times, ef is the time displacement diagram for the vibration of the string, the time scale being vertical. weight for adjusting the pitch to a slight extent. The string, of which the vibration is to be investigated, is fixed vertically in the...



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