



# Elements of Wave Motion Relating to Sound and Light; A Text Book Prepared Expressly for the Use of the Cadets of the United States Military Academy, West Point

By Peter Smith Michie

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. 1882 Excerpt: .parallel to the sides of the membrane, and whose numbers are represented by  $n$  and  $n$  . 3. The nodal lines which correspond to the same sound form a system of figures, such that we can pass from one to the other by continuous changes in varying the mode of disturbance, without changing the sound; but we can never pass in a continuous manner from the lines of one sound to those of another. Circular membranes can only give nodal lines along the diameters or circumferences, either separate or combined, depending on the method of vibration and on the point or points of enforced rest. 239. Because of the limited time allotted to this part of the course, many subjects of importance are necessarily omitted in the text. Among these are, 1. The theory of beats, and resultant sounds. 2. The phenomena of interference, whose consequences, however,...



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