# An Elementary Treatise on Trigonometry; With Its Different Applications (Paperback)

By Thomas Luby

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. 1825 Excerpt: .with these equations, cot iA+cot4 Acot A--.arfi-/: = cosec.-fcosec. 2A.adinf. From the above we can demonstrate a very elegant Geometrical Theorem, which we shall have occasion for in the sequel. If in a circle, a regular polygon of an odd number of sides be inscribed, and if lines be drawn from any point in the circumference to the several angles of the polygon, then denoting these lines in their order by the characters c , c, c , c, v, c, it may be proved that c/+c //+cv+c. = c +c, v+cv , c. Let A be half the arc subtended by the side c , and B half that subtended by a side of the polygon, let the number of the sides of the polygon be 2ra+l, then B = g J.: c =2. sin (A + 2B) = i 1 2. sin f A...

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