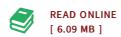# Mathematical Treatise; Containing I. the Theory of Analytical Functions, II. Spherical Trigonometry, with Practical and Nautical Astronomy

By Books Group

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. 1838 Excerpt: .10a + cos. 12a + cos. 14a = y. And their product by 27 will be found to be, . 4S = xy, therefore xy zz--1. Thus, x + y =--, and xy =--1. Hence both x and y may be determined geometrically. Again, let x be divided as follows, viz.: cos. 2a + cos. 8a = v. cos. 4a + cos. 16a = z. And their product will be found in the same manner to be S = vz, therefore vz----. Also, dividing y as follows, viz.: cos. 6a 4-cos. 10a = v cos. 12a 4-cos. 14a = zs. The product of these will likewise be S = tV, therefore vV =--. Hence, v, z, and v z may all be determined geometrically. Lastly, because cos. 4a 4-cos. 16a zzz. and cos.4a. cos.l6a(= .(cos.l2a4-cos.l4a))= 2rv. Cos. 16a, or (which is the same) cos. a...

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