Dual Arithmetic; A New Art Volume 1

By Oliver Byrne

Rarebooksclub.com, 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. 1863 edition. Excerpt: .x, is given by the formula V = 343774679 log-tan (450 + x). Hyperbolic logarithms are employed, and 343774679 are the nautical miles or minutes that in every circle is equal to its radius. 90 o 35 o Now-8870109 is the sine of 620 30 , and-4617486 is the cosine, and since the sine divided by the cosine gives the tangent we may proceed as follows to find the hyperbolic log. of the tangent.8870109 multiplied by 1,2,4,6,8,9,1, = 1 4617486 multiplied by 4,8,1,0,3,0,3,0, = 1.-8870109 divided by-461748, will be represented by 4,8, 1, 0, 3, 0, 3, 0, Divided by 1, 2, 4, 6, 8, 9, 1, 7, 1, 4, 3, 8, 6, 1, represents the quotient, which is readily reduced to 6529007, which, when divided by 10000978, gives-6528368, the hyperbolic logarithm of the tangent of 620 30 . Then 343774679 x-6528368 = 2244-2871...

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