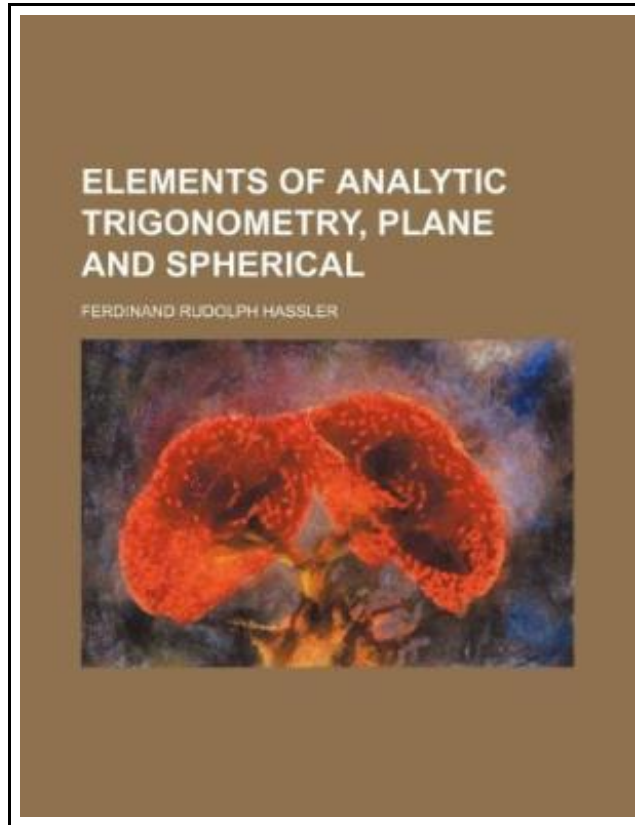


Elements of Analytic Trigonometry, Plane and Spherical



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Reviews

An extremely wonderful pdf with perfect and lucid information. Better then never, though i am quite late in start reading this one. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Elenor Koch PhD)

ELEMENTS OF ANALYTIC TRIGONOMETRY, PLANE AND SPHERICAL



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. 1826 Excerpt: .ways. These will be obvious, when we consider that the formulae Q, No. 4 and S, give two different values for cosine B, the one in the sine, the other in the cosine, of the half angle. Taking, then, in the first place: $\cos B = 1 - 2 \sin^2 \frac{1}{2} B$ And substituting this value in the equation for cosine B, we have: $62 = c^3 + o^3 - 2ac + 4.c.a.\sin^2 \frac{1}{2} B = (a \cos \frac{1}{2} B)^2 + 4.a.c.\sin^3 \frac{1}{2} B$ And using $(a \cos \frac{1}{2} B)$ as a factor common to both the right hand terms: $\therefore, 4.c.o.\sin \frac{1}{2} B$ Extracting the root: $x \frac{1}{2} B = \frac{(o \cos \frac{1}{2} B) \sqrt{1 + 1 - \sqrt{1 - \frac{4ac}{a^2}}}}{2}$ It may be seen: that, by the method used in the preceding Problem, this formula may be adapted to the use of logarithms, employing the consideration: that, according to C, No. 8, we have: $1 \cos x$ Second Transformation. Taking: $\cos B = 2 \cos^2 \frac{1}{2} B - 1$ and substituting this value in No. 5, the formula becomes: $62 = a^2 + c^2 - 2ae - 4.o.c.\cos^3 \frac{1}{2} B$ And by processes exactly similar to those used for the formula 6, it will finally become: $i - (. +.) (-.) 9$ Here we have, by the same means as in the foregoing transformation, representing the second term under the radical as the square of a sine or cosine, according to C, No. 4 or 5, and by an...



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