A History of the Progress on the Calculus of Variations During the Xixth Century (Paperback)

By Isaac Todhunter

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. 1861 Excerpt: .side of the equation must be changed; this mistake leads to two more on the same page, and it appears again on page 44 of the 14th volume. 273. We will now give some specimens of the investigations and conclusions of Spitzer. In Arts. 250 and 251 we have shewn how in general we may distinguish between the maximum and minimum of I Vdx, where Jo V involves x, y, and y . Now suppose for a particular case that rf F ps =0, then, excluding the integrated terms, the value of 7, on page 271 will take the form fV d dV Thus for a maximum or minimum it is necessary that dV d dV dy dx dy dy should be respectively constantly negative or constantly positive throughout the limits of the integration. dV Since-tj-= 0, it is obvious that Fmust be of the form,...

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