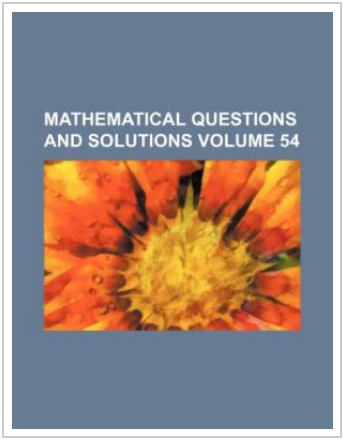

Mathematical Questions and Solutions Volume 54

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. 1891 Excerpt: .inverse of the given curve with respect to the origin. If the chord of curvature through the pole be kr, it will be found that dpjds= (4--1) cot OPY (when S lies on OP), whence r-xp1-1, r2 = a- - p P dp will be the equation for a curve such that the locus of the pole of the osculating spiral is the inverse, with respect to the circle r-= b2, of the curve. If tho constant term in this equation be omitted, it is the equation between r and p for the spiral. Perhaps the equation would be better, written in the form r-= a2 (//-) + 42, since k = 2 (the equiangular spiral) would give r2 = p2 + 42, or the involute of a circle which is only a particular case. If we put k----2, the osculating curve is the rectangular hyperbola,...

Reviews

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