



Elements of Analytic Geometry

By George Albert Wentworth

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. 1886 Excerpt: .in this line we take points P, Pu at the same distance $OP = p$ from O; then P is the point (p, Jir) or $(-p, fir)$ or $(-p, -fir)$, Pi is the point (p, or--p, tt) or (p, --fir), etc. Fig. 41. Fig. 42. 92. To find the polar equation of the circle. (i.) Let the pole O be at the centre. Then, if r denote the radius, the polar equation is simply $p = r$. (ii.) Let the pole O be on the circumference (Fig. 41), and let the diameter OB make an angle a with the initial line OA. Let P be any point (r, ff) of the circle. Join BP. Then $OP = OB \cos BOP$, or $p = 2 r \cos (6--a)$, 23 If OB is taken as the initial line, the equation becomes $p = 2r \cos 6$. 24 (iii.) Let...



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