A Treatise on Plane Co-Ordinate Geometry Volume 1; Or, the Application of the Method of Co-Ordinates to the Solution of Problems in Plane Geometry (Paperback)

By Matthew O Brien

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. 1844 Excerpt: .(6) represents either two parallel lines or no locus. Hence it appears that the general equation of the second degree wanting the term 2Bxy represents an ellipse, a parabola, a hyperbola, two right lines, one right line, or an isolated point; except in certain cases where it does not represent any locus. The following proposition will complete the discussion of the general equation. Prop. XLI. 187. To shew that the term 2Bxy may be made to disappear from the general equation of the second degree by turning the axes of co-ordinates through a certain angle. If, in the general equation Ax + 2Bxy 4 Oy + 2Dx + 2Ey + F = 0. . (1), we write x cos 0- y sin 0 in place of x, and x sin 0 + y cos 0 in place of y, we turn the axes through the angle 0,...

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