An Elementary Manual of Coordinate Geometry and Conic Sections

By James White

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. 1878 Excerpt: . point, and produced to meet the tangent to the ellipse at that point, the locus of their intersection mil be a straight line. Let T be any point on the ellipse, and TP the tangent at it, P being its point of intersection with FP, the perpendicular to FT at F. Produce F T, and make TM = TF; and join PM. The triangles PTF and PTM are manifestly equal in every respect (Euc, Bk. I., Prop. 4); consequently PM = PF, and the angle PMT = the angle PFT, and is a right angle. Therefore F P-PM2 (= PP-FP) = F H = (F T+FTy = 4a2, Since the difference of the squares of the distances of the point P from the points F and F is constant, the locus of P must be a straight line perpendicular to the line joining FF ....

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