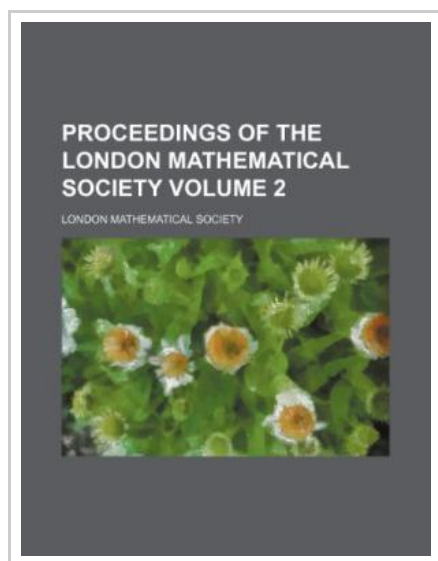




Proceedings of the London Mathematical Society Volume 2 (Paperback)

By London Mathematical Society

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. 1866 Excerpt: .distance of the fixed line from the centre of the fixed circle. It will be seen that Newton s method of drawing the Cissoid fulfils this condition, which is also evident geometrically. The word difference may be taken in its algebraical sense. Writing in (A) $\tan \theta$ for m , putting c for $-r$, and still taking $a = 0$, $6 = 1$, we have $(y+c)(y \sin \theta + x \cos \theta) - Jc(c - k \sin \theta)^3 + (y + c)^2 - k^2 (\sin^2 \theta - y \cos \theta)^2 = 0$. After some easy reductions, we can divide out $y + c + k \sin \theta$, leaving $(y+c-k \sin \theta)(x^2+y^2) - k^2(y - c - k \sin \theta) - 2kc(y \sin \theta + x \cos \theta) = 0$ (D), a general equation for circular cubics having a double point, that is to say, the pedal curve of a parabola. Suppose, in fact, that we take a line parallel to the real asymptote for the axis of, the equation of a circular...



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