



An Elementary Treatise on Variable Quantities; In Two Parts: The Direct and Inverse (Paperback)

By Hiram Cook

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. 1921 Excerpt: .will be $2a$ ir , which is the measuring arc for the first revolution of PC ; therefore, since PA or a is then the radius vector, $a = a$ $2a$ n 1 whence $a = .2ir$ Substituting this value of a in (3) gives the equation of the spiral of Archimedes. When n is equal to one half, (1) becomes $r = av$ or $r^2 = a^2v$, which is the equation of the parabolic spiral, being of the same form as that of the parabola; for substituting y for r , $y/(2p)$ for a , and x for v gives $y^2 = 2px$. (4) With $2p$ as radius draw the circle ABC , divide its circumference into any number of equal parts, as six, and draw through its center P , the divisional lines DV , EE , FF . With $-(2p + 1)$, $-(2p + 2)$, i $(2 + 3)$, and $-(2p + ...$



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