



The Directional Calculus; Based Upon the Methods of Hermann Grassmann

By Edward Wyllys Hyde

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. 1890 Excerpt: .about the triangle. (6) Show that the tangent line to the circle of eq. (267) has the equation $r = a(i\cos\theta + j\sin\theta) + wa(i\cos\theta - j\sin\theta)$, of which the scalar form is $rp = a^2$. Also the equations of the tangent and normal to (269) are respectively $(r - e)(p - e) = a^2$ and $(r - e)(p - e) = 0$. (7) Find what the equation $op = a^2$ represents when p is not the vector to a point on the circle. 84. The parabola. The equations $-rXt + yh$ (272) represent a parabola; for, eliminating x , we have which shows that the abscissa varies as the square of the ordinate, a property of the parabola. Differentiating (273), we have a vector parallel to the tangent at the end of p ; hence the equation of the tangent may be written in which y is to be...



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