



# 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  $r = a(ii \cos 6 + i2 \sin 6) + wa(i2 \cos 6 - ii \sin 6)$ , 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  $-rXtl + yh$  (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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