



The Albebra of Invariants (Paperback)

By John Hilton Grace

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. 1903 Excerpt: .transformation is equivalent to an inversion with respect to A, and a reflexion with respect to the real axis through A; but the properties of the derived figure are evidently unaltered by a reflexion alone, and hence they are unaltered by an inversion alone. 174 A. Some of the simpler invariants and covariants can now be interpreted. If $az + 2bz + c = 0$; $a z + 2b z + c = 0$ represent the points A, B and G, D respectively, then when $ad + a c - 266 = 0$ A, B, C, D are four harmonic points on a circle. In fact on changing the origin to 0, the middle point of AB, the first quadratic becomes $z - k0$, and if the second be $(z - zj)(z - z) = 0$, then since the relation is invariantive we have therefore $OC \cdot OD = OA \cdot OB$ and OG, OD are equally inclined to...



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