Daedalus Volume 53; Proceedings of the American Academy of Arts and Sciences

By American Academy of Arts Sciences

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. 1918 Excerpt: . dyadic is that which gives the same transformation of lines and complexes as a point collineation or a point-plane correlation. The peculiarity of such a transformation is that it preserves contact, that is, it transforms intersecting lines into intersecting lines and complexes in involution into complexes in involution. If f is such a dyadic jh Pi = Plc4P2 = 0 whenever P1P1 = 0. These are linear equations in the coordinates of pi and pj such that the first is always satisfied when the second is. Hence there must be a constant X such that Pl#P2 = XpiP2. If / is the two-two idemfactor this is equivalent to p, i-X/p2 = 0. Hence c = I. Conversely, if this condition is satisfied the dyadic determines a collineation or correlation. If a collineation or correlation is set up by either a self-conjugate or an anti-self-conjugate dyadic,...

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