



Proceedings of the Edinburgh Mathematical Society Volume 9-12

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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. 1891 Excerpt: .character. For example, Yaf_3 does not really mean the area of the parallelogram determined by the vectors o and f_3 , but is a mode of representing that area by a vector line perpendicular to its plane. And, again, the transition from the parallelepiped $SyVa/3$ to the uniplanar projection Sy_8 cannot but seem to be a piece of legerdemain, involving the transformation of an area into a line. The method requires indeed a succession of definitions, and a careful geometrical discussion of the properties of the quantities so defined. In quaternions, however, the whole is a beautiful and compact development from the fundamental conception of the factor $(o//3)$ which changes f_3 into a . Corresponding to every such quaternion, there is another quaternion known as the conjugate, which will turn f_3 into a particular vector a , equal in length to a , but lying equally inclined to $/3$...



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