



The Theory of Elliptic Integrals and the Properties of Surfaces of the Second Order; Applied to the Investigation of the Motion of a Body Round a Fixed Point (Paperback)

By James Booth

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. 1851 Excerpt: .(102). XLIX. If we multiply the first of (100) by, the second by n , v the third by r , and add the results, the sum will be $CO CO$ zero, or $-l p + m q + n r = 0$; (103); whence it follows that, the plane of the centrifugal couple always passes through the instantaneous axis of rotation. L. Multiply together line by line the groups in (95) and (100), add the results, the sum will be cypher; or $KG W + mm + nn = 0$. (104) Whence we infer that the planes of the impressed and centrifugal couples are always at right angles to each other. LI. If we compare the formula (84) with (100), we shall find the second members identical, if we assume as, in (97), $P=f=fv r=X$; whence $G = rnco^2$. (105). We may hence infer that the triangle between the radius...



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