



The Messenger of Mathematics Volume . 14 (Paperback)

By Books Group

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. 1885 Excerpt: .motion of a. fluid element chosen so as to be kinetically symmetrical at time t with respect to its centre of inertia P . The boundary of this element will not in general be spherical, so that the fluid pressures on it will no longer have zero moment about any axis through P . It may, however be easily shewn that the moment is of the third order in the linear dimensions of the element, whilst the remaining quantities with which we have to deal are of the second. If p be the pressure, ρ the density, the moment of the pressures about:2: will be if l, m, n be the direction-cosines of the normal to an element dS of the surface. This is equal to If we expand and \int by Maclaurin's theorem, and take account of the kinetic symmetry, we obtain, to the second...



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