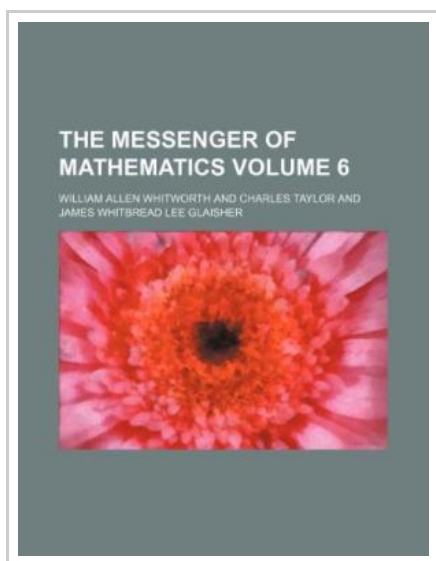




The Messenger of Mathematics Volume 6 (Paperback)

By William Allen Whitworth

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. 1877 Excerpt: .b+c+f, c+a+g, a+b+h respectively. We may imagine the quadrilateral ZOXY composed of the four rods ZO, OX, XY, YZ (lengths c, a, h, f as before) jointed together at the angles, and kept in equilibrium by forces S, B, P, Q acting along the diagonals OY(=b), ZX(=a) respectively. We have c, a, h, f given constants, and the relation $f(a, b, c, /, g, h) = 0$, which connects the six quantities is the relation between the two variables diagonals (, b; by what precedes, the differential relation $f_{iff}.dg + f_{b}.db = 0$ is equivalent to $f_{lB}bdb - CAgdg = 0$. By virtual velocities we have as the condition of equilibrium $jBdb + Gdg = 0$; hence, eliminating db, dg we have $B G CAg B a i CY Q1V - - - . 7 b g XYO.ZYO$ viz. the forces divided by the diagonals along which they act...



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