



Mathematical Questions and Solutions in Continuation of the Mathematical Columns of the Educational Times Volume 74 (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. 1901 Excerpt: .(2), if cone and conical be read for paraboloid and paraboloidal, the ratio is $3m^4 - 1 - (m^3 - 1) \sqrt{m^3 - 1} : i / m^3 - 1$, supposing the vertical angles of both equal. Solution by the Proposer. In the two positions in which the velocity of the paraboloid is zero, the heights of the centre of gravity of the paraboloid and liquid are equal. Let p be the density of the liquid, r of the paraboloid, A the height of the paraboloid, x the height of the surface of the liquid in the second position. Then, if $y^2 = iax$ is the equation to the paraboloid, we get $2rt, rr^3 = 2airm^2A^2 - 2airA^2 - 2ir(m^2 - 1)A$; 13663. (The late Professor Wolstenholme, M.A., D.Sc.)--Normals to the parabola $y^2 = iax$ at the points P, Q , Q meet in a point, and QQ passes through the fixed point $(-c, 0)$: the envelope of the circle PQQ ...



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