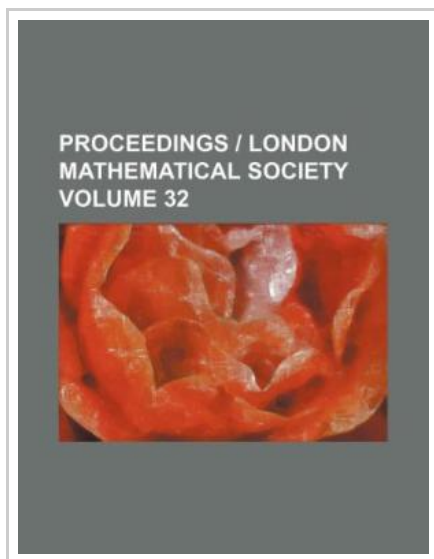




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Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1901 Excerpt: . therefore the elements of stress by $P = A_6 + (F - A)g - 2Nf$, $Q = A_0 + (F - A)g - 2N_e$, $R = F_0 + C - F$ g, Boundary-Conditions. 2. (a) If the stresses B , δ , T are given over $z = 0$, the boundary conditions are $F_6 + (C - F)w = B$ (7) $La = S$ (8) $Lb = T$. (9) From (8), (9), we get $2Lvt = Ss - T$ (10) where (x, y) is a point on $z = 0$. Further, $L(bx + a) = +Sv$, which, on substitution from (3), becomes $F_6 + (C - F)w = Pw - Z - T$ x, $-S$ t/, . (11) Equations (7), (10), (11) are the surface-conditions corresponding to the volume-equations (4), (5), (6). (6) If the surface-displacements are given, the conditions are $u = u$, $v = v$, $w = w$, and from these we derive $2CT = Vy - tL$ which are the appropriate surface-conditions in this case. Symmetrical Form of Volume-Equations of Equilibrium....



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