



Graphics Applied to Arithmetic, Mensuration and Statics

By George Charles Turner

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. 1908 Excerpt: . OF FORCES. 207 Theorem. Any set of coplanar forces is equivalent to a resultant force through some assigned point and a couple. By the previous theorem each force of the set may be replaced by an equal vectored force through O and a couple. The forces, being now concurrent, have in general a resultant found by the vector polygon. The momental areas of the couples may be added to the momental area of a resultant couple, i.e. the couples are equivalent to a resultant couple. Theorem. Any set of forces reduces to (i) a single resultant, or (ii) a couple, or (iii) is in equilibrium. Since a couple may have any position in its plane and may have its forces of any magnitude, provided the momental area is constant, we may replace the resultant couple of the last theorem by an equivalent couple having its...



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