Geometry in Space; Containing Parts of Euclid s 11th and 12th Books, and Some Properties of Polyhedra and Solids of Revolution, with Exercises (Paperback)

By Randall Charles John Nixon

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1888 edition. Excerpt: .7 77 77 3: II = tripl ratio of a pair of homol edges. THEOREM (r7)--If four lines are proportional, and if similar polyhedra are similarly described on the first pairas edges, and similar polyhedra are similarly described on the second pair as edges, then as the polyhedron on the firrt is to the polyhedron on the second so is the polyhedron on the third to the polyhedron on the fourth; and, con-oersely, if two similar polyhedra have the same ratio as two other pob/hedra, similar to each other, then similar edges of the first pair have the same ratio as similar edges qf the second pair. LEMMA--If two ratios are equql, their triplicates are equal; and conversely. Let A, B, C, D, P, Q, X, Y be mag s such that, A: B =B: X=X: Y, C: D= D: P= P: Q. r,...

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