



Analytic Geometry of Space (Classic Reprint)

By Virgil Snyder

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Analytic Geometry of Space In this book, which is planned for an introductory course, the first eight chapters include the subjects usually treated in rectangular coordinates. They presuppose as much knowledge of algebra, geometry, and trigonometry as is contained in the major requirement of the College Entrance Examination Board, and as much plane analytic geometry as is contained in the better elementary textbooks. In this portion, proofs of theorems from more advanced subjects in algebra are supplied as needed. Among the features of this part are the development of linear systems of planes, plane coordinates, the concept of infinity, the treatment of imaginaries, and the distinction between centers and vertices of quadric surfaces. The study of this portion can be regarded as a first course, not demanding more than thirty or forty lessons. In Chapter IX tetrahedral coordinates are introduced by means of linear transformations, under which various invariant properties are established. These coordinates are used throughout the next three chapters. The notation is so chosen that no ambiguity can arise between tetrahedral and rectangular...



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