



The Theory of the Imaginary in Geometry: Together with the Trigonometry of the Imaginary (Classic Reprint)

By J L S Hatton

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Theory of the Imaginary in Geometry: Together With the Trigonometry of the Imaginary The position of any real point in space may be determined by means of three real coordinates, and any three real quantities may be regarded as determining the position of such a point In Geometry as in other branches of Pure Mathematics the question naturally arises, whether the quantities concerned need necessarily be real. Such a Geometry contains as a particular case the Geometry of real points. The relationship of the more generalised conception of Geometry and of space to the particular case of real Geometry is of importance, as points, whose determining elements are complex quantities, arise both in coordinate and in projective Geometry. In this book an attempt has been made to work out and determine this relationship. Either of two methods might have been adopted. It would have been possible to lay down certain axioms and premises and to have developed a general theory therefrom. This has been done by other authors. The alternative method, which has been...



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