Projective Vector Algebra: An Algebra of Vectors Independent of the Axioms of Congruence and of Parallels (Classic Reprint)

By Ludwik Silberstein

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Projective Vector Algebra: An Algebra of Vectors Independent of the Axioms of Congruence and of Parallels I. The reader will find in the widely known memoir of Hilbert on the Foundations of Geometry* various algebras of segments, independent of one or of another group of axioms, the purpose of these algebras being, in Hilbert s case, to show the mutual independence of his set of axioms. More recently, in an excellent book, Schur has taken up von Staudt s calculus of projective segments (Wurfrechnung) in order to develop it analytically and to build upon it a complete system of metrical, euclidean and non-euclidean, geometry. This is admirably done in 4 and 5 of his work. Schur bases his definitions of equality, of addition and multiplication of projective segments, upon the correspondence known as prospectivity, and, at first, avails himself only of the axioms of connection and of order [Schur s postulates I. to 8.]; for the further development of the subject, however, he has recourse [5] to the axioms of congruence or of motion, postulates...

READ ONLINE
[1.41 MB]

Reviews

This is the finest publication we have read through right up until now. Better then never, though i am quite late in start reading this one. Its been written in an remarkably easy way in fact it is only after i finished reading through this book by which basically altered me, affect the way i think.
-- Dr. Gabriella Hayes

This book will be worth getting. Better then never, though i am quite late in start reading this one. Its been written in an extremely basic way which is only right after i finished reading this book through which actually altered me, alter the way i believe.
-- Mr. Enrico Lesch