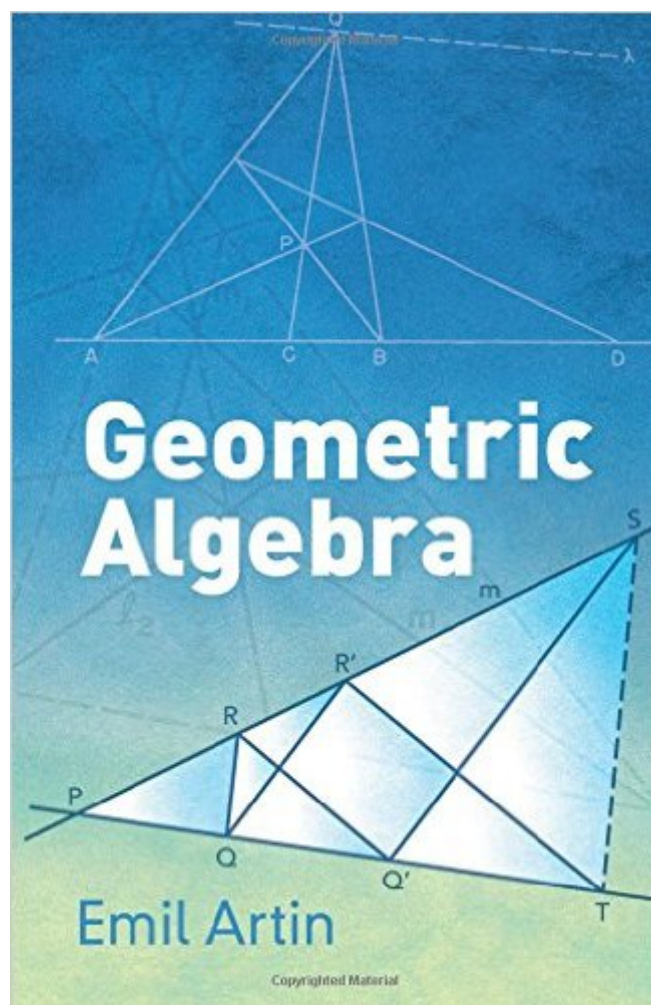


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# Geometric Algebra (Dover Books On Mathematics)



## Synopsis

This concise classic presents advanced undergraduates and graduate students in mathematics with an overview of geometric algebra. The text originated with lecture notes from a New York University course taught by Emil Artin, one of the preeminent mathematicians of the twentieth century. The Bulletin of the American Mathematical Society praised Geometric Algebra upon its initial publication, noting that "mathematicians will find on many pages ample evidence of the author's ability to penetrate a subject and to present material in a particularly elegant manner." Chapter 1 serves as reference, consisting of the proofs of certain isolated algebraic theorems. Subsequent chapters explore affine and projective geometry, symplectic and orthogonal geometry, the general linear group, and the structure of symplectic and orthogonal groups. The author offers suggestions for the use of this book, which concludes with a bibliography and index.

## Book Information

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## Customer Reviews

This is a fantastic book for anyone looking to get to grips with classical projective, symplectic and orthogonal geometry. The book needs some mathematical maturity, but very little background. It also describes the groups associated with these geometries, and so serves as an excellent introduction to the Symplectic, Orthogonal and Projective Linear groups.

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None of these Wiley texts are for learning the subject by the standards of today. If you wish to understand the origins of branches of mathematics or would like to have an accurate understanding of the mathematical foundation of physics, then these books are for you. They are dated and difficult to read, but if you wish to have a better understanding of mathematics other than the often times socially distorted material you learn in the classroom, these are for you. It's an excellent introduction to Geometric Algebra, but the insane price for such a short book that does not go all that far into depth is just not worth it. It's 5 stars if you can buy a used one, 4 stars for the insane price of a new one. I would consider this book a luxury buy, but worth it if you're serious.

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