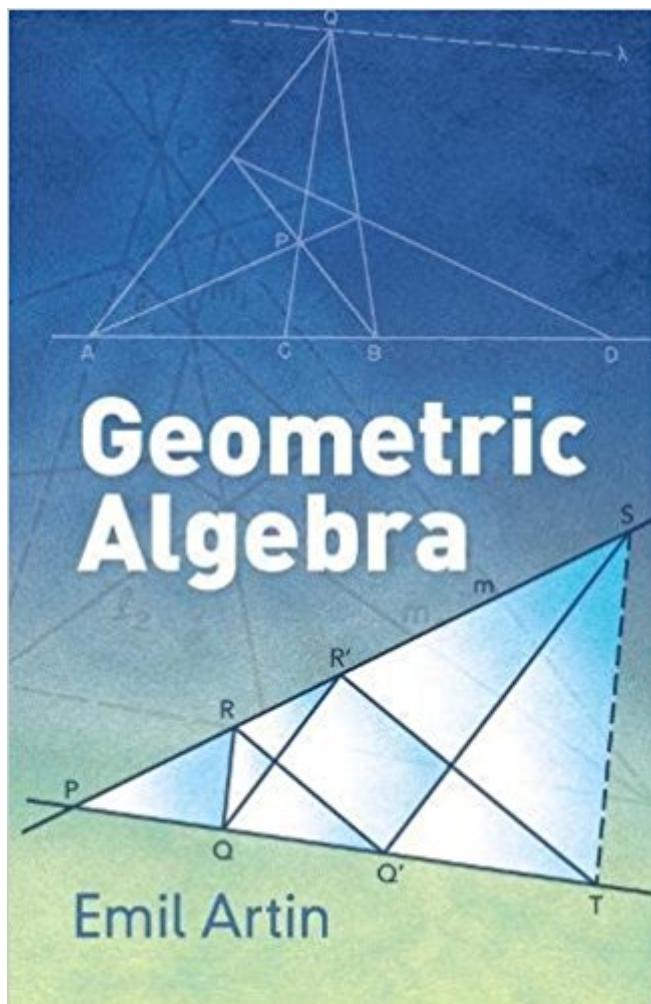


The book was found

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

Series: Dover Books on Mathematics

Paperback: 224 pages

Publisher: Dover Publications (January 14, 2016)

Language: English

ISBN-10: 0486801551

ISBN-13: 978-0486801551

Product Dimensions: 5.4 x 0.5 x 8.4 inches

Shipping Weight: 9.6 ounces (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 3 customer reviews

Best Sellers Rank: #639,924 in Books (See Top 100 in Books) #106 in Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #263 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Linear

Customer Reviews

This classic text, written by one of the foremost mathematicians of the 20th century, is now available in a low-priced paperback edition. Exposition is centered on the foundations of affine geometry, the geometry of quadratic forms, and the structure of the general linear group. Context is broadened by the inclusion of projective and symplectic geometry and the structure of symplectic and orthogonal groups. --This text refers to the Hardcover edition.

One of the 20th century's most prominent mathematicians, Emil Artin (1898–1962)

emigrated to the United States from Austria in 1936 and taught at Notre Dame, Indiana University, and Princeton before returning to Europe in the late 1950s. He wrote several books, including the Dover publications Galois Theory and The Gamma Function.

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.

Make sure you're buying the affordable Dover edition, not the overpriced Wiley edition !

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.

[Download to continue reading...](#)

Geometric Algebra (Dover Books on Mathematics) Matrices and Linear Algebra (Dover Books on Mathematics) Introduction to Modern Algebra and Matrix Theory: Second Edition (Dover Books on Mathematics) Linear Algebra (Dover Books on Mathematics) Abstract Algebra and Solution by Radicals (Dover Books on Mathematics) Logic and Boolean Algebra (Dover Books on Mathematics) Geometric Algebra for Physicists Linear Algebra: A Geometric Approach READING ORDER: TAMI HOAG: BOOKS LIST OF THE BITTER SEASON, KOVAC/LISKA BOOKS, HENNESSY BOOKS, QUAID HORSES, DOUCET BOOKS, DEER LAKE BOOKS, ELENA ESTES BOOKS, OAK KNOLL BOOKS BY TAMI HOAG Mathematics and the Imagination (Dover Books on Mathematics) One Hundred Problems in Elementary Mathematics (Dover Books on Mathematics) Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics) The Nature and Power of Mathematics (Dover Books on Mathematics) Mathematics for the Nonmathematician (Dover Books on Mathematics) Understanding Infinity: The Mathematics of Infinite Processes (Dover Books on Mathematics)

Mathematics and the Physical World (Dover Books on Mathematics) Concepts of Modern Mathematics (Dover Books on Mathematics) Undecidable Theories: Studies in Logic and the Foundation of Mathematics (Dover Books on Mathematics) Mathematics for Operations Research (Dover Books on Mathematics) Geometric Design of Linkages (Interdisciplinary Applied Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)