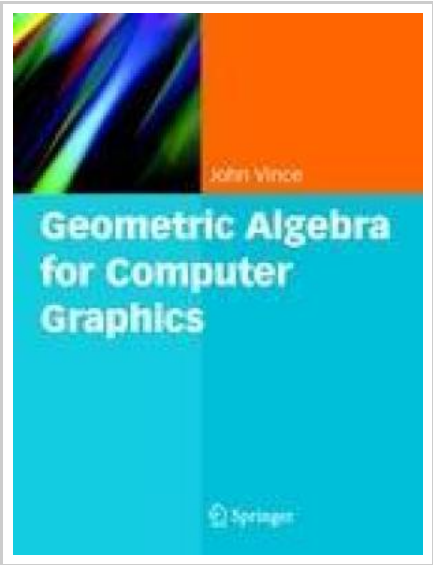


DOWNLOAD PDF

Geometric Algebra for Computer Graphics

By John Vince

Springer Okt 2010, 2010. Taschenbuch. Book Condition: Neu. 235x178x14 mm. This item is printed on demand - Print on Demand Titel. - Since its invention, geometric algebra has been applied to various branches of physics such as cosmology and electrodynamics, and is now being embraced by the computer graphics community where it is providing new ways of solving geometric problems. It took over two thousand years to discover this algebra, which uses a simple and consistent notation to describe vectors and their products. John Vince (best-selling author of a number of books including Geometry for Computer Graphics and Vector Analysis for Computer Graphics) tackles this new subject in his usual inimitable style, and provides an accessible and very readable introduction. The first five chapters review the algebras of real numbers, complex numbers, vectors, and quaternions and their associated axioms, together with the geometric conventions employed in analytical geometry. As well as putting geometric algebra into its historical context, John Vince provides chapters on Grassmann s outer product and Clifford s geometric product, followed by the application of geometric algebra to reflections, rotations, lines, planes and their intersection. The conformal model is also covered, where a 5D Minkowski space provides...

READ ONLINE
[7.11 MB]

Reviews

This type of ebook is everything and got me to seeking in advance plus more. it was writtern really completely and helpful. You wont feel monotony at at any moment of your respective time (that's what catalogues are for about should you request me).

-- ***Dr. Santino Cremin***

This publication will never be straightforward to get going on looking at but really fun to see. This can be for all those who statte that there had not been a worth looking at. You wont really feel monotony at at any moment of your own time (that's what catalogs are for about should you request me).

-- ***Cale Hansen Sr.***

Relevant eBooks

A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to sharpen their skills and don t mind...

Polly Oliver s Problem: A Story for Girls (Paperback)

The Wildhern Press, United Kingdom, 2008. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin was an American children s author and educator. She was born in Philadelphia of Welsh...

Gypsy Breynton

Echo Library. Paperback. Book Condition: New. Paperback. 88 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.Hon. Gypsy Breynton, Esq. , M. A. , D. D. , LL. D. , c. , c. Gypsy Breyiiton, R, R. Tom was very proud of his handwriting....

Memoirs of Robert Cary, Earl of Monmouth

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 142 pages. Dimensions: 8.0in. x 5.0in. x 0.3in.The Author of the Memoirs. The Memoirs here presented to the reader may be said to combine every interest which can attach to...

Aeschylus

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 260 pages. Dimensions: 8.0in. x 5.0in. x 0.6in.This Translation of A eschylus, an entirely new one, is designed as an Appendix to my edition of that Poet in theB ibliotheca...

Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...