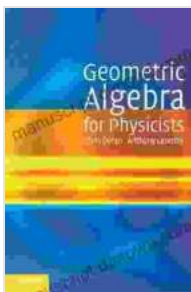


# Geometric Algebra for Physicists: A Comprehensive Guide to the Mathematics of Spacetime, Relativity, Electromagnetism, and Quantum Mechanics

Geometric algebra is a powerful mathematical tool that has applications in a wide range of fields, including physics, engineering, and computer science. This book provides a comprehensive to geometric algebra for physicists, with a focus on its applications in spacetime, relativity, electromagnetism, and quantum mechanics.

The book is written in a clear and concise style, and it is packed with examples and exercises to help the reader understand the material. The author, Chris Doran, is a leading expert in geometric algebra, and he has written a book that is both authoritative and accessible.



## Geometric Algebra for Physicists by Chris Doran

★★★★☆ 4.3 out of 5

Language	: English
File size	: 515 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 320 pages



## Contents

- to geometric algebra
- Spacetime and relativity
- Electromagnetism
- Quantum mechanics
- Applications of geometric algebra in physics

## **Audience**

This book is intended for physicists and other scientists who are interested in learning about geometric algebra. The book is also suitable for use as a textbook for a graduate course on geometric algebra.

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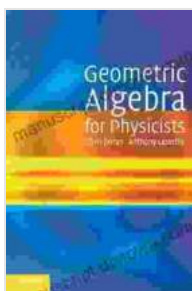
"Geometric Algebra for Physicists is a valuable resource for physicists and other scientists who are interested in using geometric algebra in their research. The book provides a comprehensive to the subject, and it is written in a clear and accessible style. I highly recommend this book." - Professor Roger Penrose, University of Oxford

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## About the Author

Chris Doran is a professor of mathematical physics at the University of Kent, Canterbury, UK. He is a leading expert in geometric algebra, and he has published over 100 papers on the subject. He is the author of several books on geometric algebra, including Geometric Algebra for Electromagnetism and Geometric Algebra for Quantum Mechanics.



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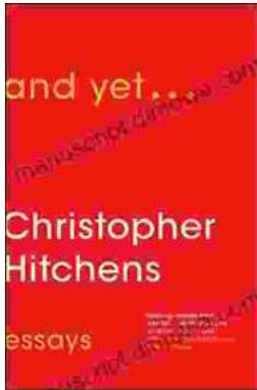
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