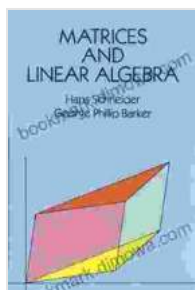


# Matrices and Linear Algebra



## Matrices and Linear Algebra (Dover Books on Mathematics) by Hans Schneider

★★★★☆ 4.3 out of 5

Language : English  
File size : 14661 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 432 pages  
Lending : Enabled



## A Comprehensive Guide for Mathematicians and Scientists

**By Hans Schneider and George Phillip Barker**

Matrices and linear algebra are fundamental tools in mathematics, science, and engineering. They are used to represent and solve a wide variety of problems, from finding the eigenvalues of a matrix to solving systems of linear equations.

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The book begins with a review of the basic concepts of linear algebra, such as vectors, matrices, and determinants. It then covers more advanced

topics, such as eigenvalues and eigenvectors, orthogonal matrices, and singular value decomposition.

The book is suitable for undergraduate and graduate students in mathematics, science, and engineering. It is also a valuable reference for professionals who use matrices and linear algebra in their work.

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2. Vectors and Matrices
3. Determinants
4. Systems of Linear Equations
5. Eigenvalues and Eigenvectors
6. Orthogonal Matrices
7. Singular Value Decomposition
8. Applications in Mathematics, Science, and Engineering

## **About the Authors**

**Hans Schneider** is a professor of mathematics at the University of Wisconsin-Madison. He is the author of several books on mathematics, including *Linear Algebra* (Dover, 2006) and *Partial Differential Equations* (Dover, 2009).

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mathematics, including *Linear Algebra* (Dover, 2006) and *Abstract Algebra* (Dover, 2009).

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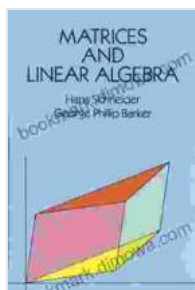
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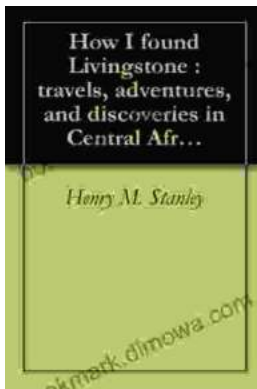


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