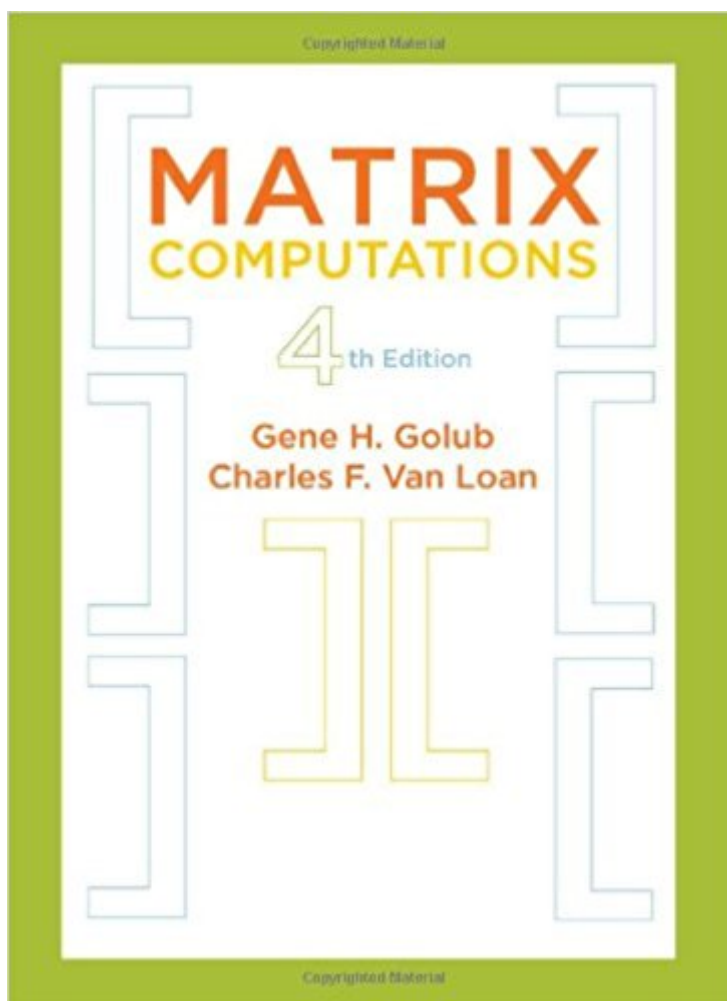


The book was found

Matrix Computations (Johns Hopkins Studies In The Mathematical Sciences)



Synopsis

The fourth edition of Gene H. Golub and Charles F. Van Loan's classic is an essential reference for computational scientists and engineers in addition to researchers in the numerical linear algebra community. Anyone whose work requires the solution to a matrix problem and an appreciation of its mathematical properties will find this book to be an indispensable tool. This revision is a cover-to-cover expansion and renovation of the third edition. It now includes an introduction to tensor computations and brand new sections on fast transforms, parallel LU, discrete Poisson solvers, pseudospectra, structured linear equation problems, structured eigenvalue problems, large-scale SVD methods, polynomial eigenvalue problems. Matrix Computations is packed with challenging problems, insightful derivations, and pointers to the literature—everything needed to become a matrix-savvy developer of numerical methods and software.

Book Information

Series: Johns Hopkins Studies in the Mathematical Sciences (Book 3)

Hardcover: 784 pages

Publisher: Johns Hopkins University Press; fourth edition edition (December 27, 2012)

Language: English

ISBN-10: 1421407949

ISBN-13: 978-1421407944

Product Dimensions: 7 x 1.8 x 10 inches

Shipping Weight: 3.9 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 20 customer reviews

Best Sellers Rank: #277,552 in Books (See Top 100 in Books) #15 in Books > Science & Math > Mathematics > Matrices #2453 in Books > Science & Math > Mathematics > Applied #3593 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

"Problems, solutions, and discussions of the formulas, methods and literature surrounding matrix computations make for a reference that is specific and well detailed: perfect for any college-level math collection appealing to engineers." (Midwest Book Review)"Written for scientists and engineers, Matrix Computations, fourth edition provides comprehensive coverage of numerical linear algebra. Anyone whose work requires the solution to a matrix problem and an appreciation of mathematical properties will find this book to be an indispensable tool." (MathWorks)

"A mine of insight and information and a provocation to thought; the annotated bibliographies are helpful to those wishing to explore further. One could not ask for more, and the book should be considered a resounding success." (Bulletin of the Institute of Mathematics and Its Applications)

Great general book on Numerical Linear Algebra. Clear and very informative.

The classical book on matrix analysis. 4-th edition includes all the classical stuff and a lot of new topics; the illustrations are now provided as snippets of MATLAB code. Must have for all people working in linear algebra, matrix and numerical analysis.

This book is very good, it provides comprehensive introduction and some codes that is convenient for beginners. I recommend it strongly.

This is a nice book. I like it. However, there are still very few typos in the book. wish they will be fixed when this book is re-published next time.

Good book to be read!

The book is new and it's thicker than I expected. I have learned from the website that it's a classical book about matrix analysis. I will start to study this book in the future. After studying this book, I will give my detailed review. Thanks.

For study Mathematical Sciences, the Matrix Computations (Johns Hopkins Studies in the Mathematical Sciences) is very good in the Mathematical Sciences.

This is now the best and most up-to-date textbook for numerical linear algebra at the graduate level, which I have been teaching for seven years. In the past, I always liked its third edition as a reference book, but hesitated to use it as a textbook, because it was difficult for students to study. The fourth edition reads much clearer, and I also like the new organization of the chapters very much. The fourth edition is much more friendly for self-study by matured students. I highly recommend it to students and practitioners who already have some basic understanding of linear algebra and would like to learn more about numerical algorithms in linear algebra for computational

sciences. A word of caution: This book is not meant to be an introduction to linear algebra for self-study or at the undergraduate level. There are good books specifically for that purpose, such as *Linear Algebra and Its Applications* by Gilbert Strang.

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

Matrix Computations (Johns Hopkins Studies in the Mathematical Sciences) Matrix Computations (Johns Hopkins Studies in Mathematical Sciences)(3rd Edition) The Guide to Living with HIV Infection: Developed at the Johns Hopkins AIDS Clinic (A Johns Hopkins Press Health Book) Johns Hopkins Patients' Guide To Brain Cancer (Johns Hopkins Medicine) Johns Hopkins Patient Guide To Colon And Rectal Cancer (Johns Hopkins Patients' Guide) Johns Hopkins Patients' Guide To Leukemia (Johns Hopkins Medicine) Johns Hopkins Patients' Guide To Lymphoma (Johns Hopkins Medicine) Structural Geology of Fold and Thrust Belts (Johns Hopkins Studies in Earth and Space Sciences) Handbook of Paleozoology (Johns Hopkins studies in Earth and planetary sciences) Johns Hopkins Medical Guide to Health After 50 (John Hopkins Medical Guide to Health After 50) Fundamentals of Matrix Computations Matrix Algebra: Theory, Computations, and Applications in Statistics (Springer Texts in Statistics) Matrix Computations and Semiseparable Matrices: Eigenvalue and Singular Value Methods (Volume 2) Matrix Computations and Semiseparable Matrices: Linear Systems (Volume 1) Shipbuilders of the Venetian Arsenal: Workers and Workplace in the Preindustrial City (The Johns Hopkins University Studies in Historical and Political Science) The Problem of Freedom: Race, Labor, and Politics in Jamaica and Britain, 1832-1938 (Johns Hopkins Studies in Atlantic History and Culture) The Formation of a Colonial Society: Belize, From Conquest to Crown Colony (Johns Hopkins Studies in Atlantic History and Culture) Slave Rebellion in Brazil: The Muslim Uprising of 1835 in Bahia (Johns Hopkins Studies in Atlantic History and Culture) Alabi's World (Johns Hopkins Studies in Atlantic History and Culture) First-Time: The Historical Vision of an Afro-American People (Johns Hopkins Studies in Atlantic History and Culture)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)