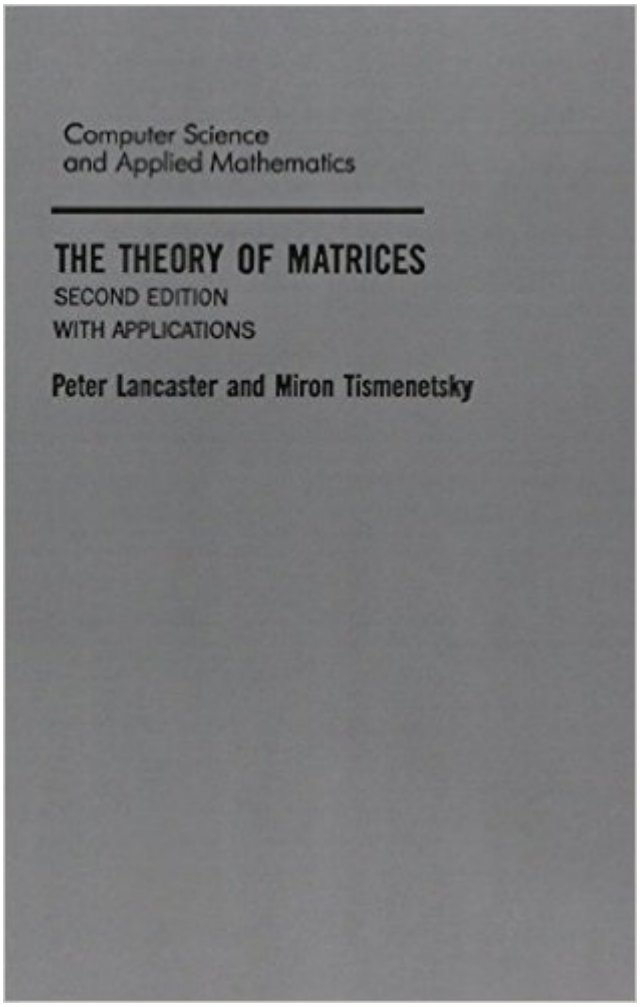
The Theory Of Matrices, Second Edition: With Applications (Computer Science And Scientific Computing)



Synopsis

In this book the authors try to bridge the gap between the treatments of matrix theory and linear algebra. It is aimed at graduate and advanced undergraduate students seeking a foundation in mathematics, computer science, or engineering. It will also be useful as a reference book for those working on matrices and linear algebra for use in their scientific work.

Book Information

Series: Computer Science and Scientific Computing

Hardcover: 570 pages

Publisher: Academic Press; 2 edition (June 11, 1985)

Language: English

ISBN-10: 0124355609

ISBN-13: 978-0124355606

Product Dimensions: 6 x 1.2 x 9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

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Customer Reviews

As a graduate student, I had this book for a graduate course in Matrix Theory, taught by Dr. Hans Schneider at the University of Wisconsin-Madison. I've always liked it. Now that I'm planning my own course in Matrix Theory, I've been searching for just the right book for the type of course I want, which is an intro graduate level course for working engineers. I have tried, but cannot find, and don't really need, anything other than this book.

What I consider "The Great general books on Linear Algebra" (this book, the Horn/Johnson ones, and the "evergreen" Gantmacher) each have a different point of view on this subject. I learned my first advanced Matrix theory on this book, and the "space transformation" oriented approach here displayed is essential for geometry oriented minds. (yes...unfortunately this book is still a bit expensive...)

I would rather recomment Horn and Johnson’s Matrix Analysis,since their book is much better.

The Theory of Matrices, Second Edition: With Applications (Computer Science and Scientific Computing) Computability, Complexity, and Languages, Second Edition: Fundamentals of Theoretical Computer Science (Computer Science and Scientific Computing) Elementary Linear Programming with Applications, Second Edition (Computer Science & Scientific Computing Series) Real Computing Made Real: Preventing Errors in Scientific and Engineering Calculations (Dover Books on Computer Science) HACKING: Beginner’s Crash Course - Essential Guide to Practical: Computer Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer Programming, Computer Science Book 1) GPU Computing Gems Emerald Edition (Applications of GPU Computing Series) Forensic Science: An Introduction to Scientific and Investigative Techniques, Third Edition (Forensic Science: An Introduction to Scientific & Investigative Techniques) Logic for Computer Science: Foundations of Automatic Theorem Proving, Second Edition (Dover Books on Computer Science) Scientific Computing with MATLAB and Octave (Texts in Computational Science and Engineering) Transformations Of Coordinates, Vectors, Matrices And Tensors Part I: LAGRANGE’S EQUATIONS, HAMILTON’S EQUATIONS, SPECIAL THEORY OF RELATIVITY AND CALCULUS ... Mathematics From 0 And 1 Book 16) Matrices With Applications in Statistics (Wadsworth statistics/probability series) Matrices and Linear Transformations: Second Edition (Dover Books on Mathematics) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling Foundations of Computer Science: C Edition (Principles of Computer Science Series) Face Image Analysis by Unsupervised Learning (The Kluwer International Series in Engineering and Computer Science, Volume 612) (The Springer International Series in Engineering and Computer Science) Graph Theory with Applications to Engineering and Computer Science (Dover Books on Mathematics) Numerical Techniques for Direct and Large-Eddy Simulations (Chapman & Hall/CRC Numerical Analysis and Scientific Computing Series) Quantum Computing: A Gentle Introduction (Scientific and Engineering Computation) Verification and Validation in Scientific Computing Scientific Literacy and the Myth of the Scientific Method (Illini Books)