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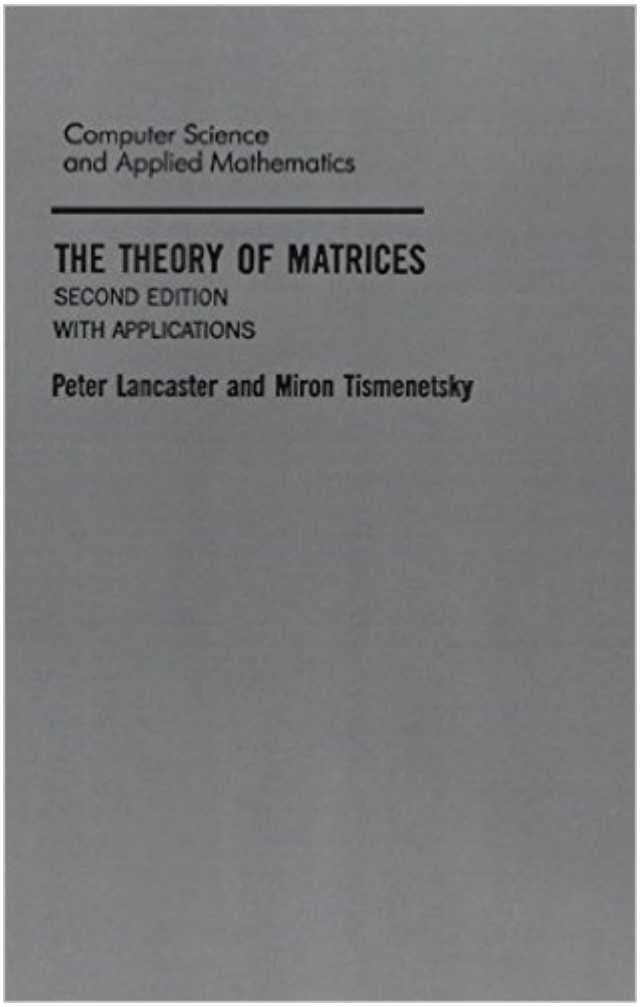
The Theory Of Matrices, Second Edition: With Applications (Computer Science And Scientific Computing)



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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

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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.

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