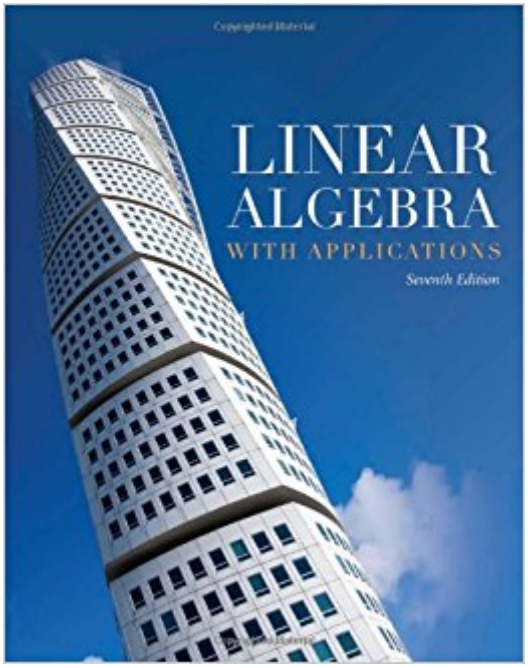
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Linear Algebra With Applications (Jones And Bartlett Publishers Series In Mathematics. Linear)



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Synopsis

Revised and edited, Linear Algebra with Applications, Seventh Edition is designed for the introductory course in linear algebra and is organized into 3 natural parts. Part 1 introduces the basics, presenting systems of linear equations, vectors and subspaces of R, matrices, linear transformations, determinants, and eigenvectors. Part 2 builds on this material, introducing the concept of general vector spaces, discussing properties of bases, developing the rank/nullity theorem and introducing spaces of matrices and functions. Part 3 completes the course with many of the important ideas and methods of numerical linear algebra, such as ill-conditioning, pivoting, and LU decomposition. Offering 28 core sections, the Seventh Edition successfully blends theory, important numerical techniques, and interesting applications making it ideal for engineers, scientists, and a variety of other majors.

Book Information

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Customer Reviews

So far this is the best text on Linear Algebra I have read. I have worked through several textbooks of Linear Algebra, some completely and many others I gave up on. In my opinion the better texts are Shilov’s, Hefferon’s, and Strang’s, but Williams is the way to go if you are doing this on your own. The explanations are clear and without the missing logical steps so frequent in other texts The material is divided into three sections, "Linear Equations, Vectors, and Matrices", "Vector Spaces", and "Numerical Linear Algebra". There is a large appendix which includes a MATLAB manual. The level of abstraction is just right for someone’s first introduction to this important area. I can

recommend this text for both general classroom use and self learning.

This text was much more readable than I originally had expected! I had, hitherto, been intimidated by linear algebra, not knowing where to to turn for self-instruction. I have, however, discovered that texts with applied problems are quite helpful in the absence of a teacher who would normally be able to explain away and clear up any difficulties. After having begun this book, I began to discover its clarity and practicality. There is still much to be gleaned from both the text and subject, however, there are plenty of exercises to hone one's ability to use and to comprehend linear algebra for a variety of applications, and it serves as a strong source of reference material to that effect.

This wasn't a bad textbook. It was pretty clear for the most part, but there were some edge cases that could have used a few more examples or a bit more explanation.

Very well written. I understand the progression of topics and how they relate. Makes sense, and gives some reasonable examples of using things.The bad: Some of the problem sets have mistakes. They are fairly obvious once you know they are there, but that can be frustrating.

Good book, great examples. Layout is nice and it isn't as dry as some math books I've had in the past. It has a lot of really nice and varied applications throughout.

it is cheap and fast shipping.

Most math students may not realize the importance and usefulness of linear algebra, but this text gives a wonderful introduction to the subject. It is easy to read, there are plenty of easy-to-follow example problems, and plenty of chapters giving the real-life application of the mathematics. It's a great textbook that won't completely put you to sleep.

The book was a gift, but it was received in PERFECT condition! Thank you!

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