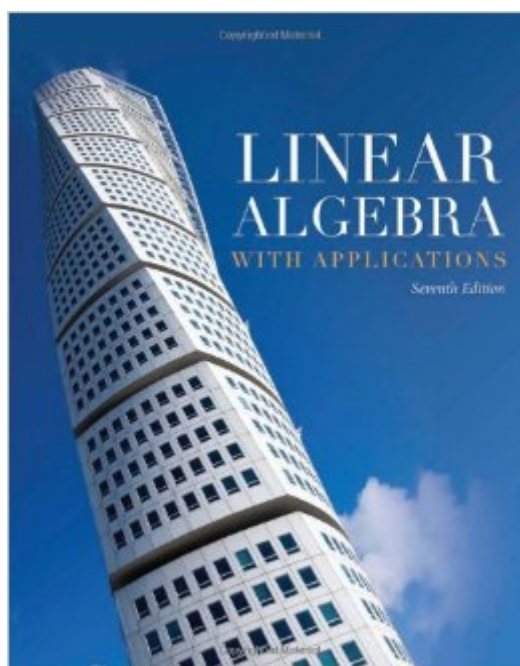# Linear Algebra With Applications (Jones And Bartlett Publishers Series In Mathematics. Linear)

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

This book was not purchased for any required course, but because I wanted to gain a better understanding about linear algebra. What I was looking for was a book with clarity, conciseness, and readability and this is exactly what this book provided. I am an electrical engineer, and very rarely have I come across a book so enjoyable to read. Not even one time had I been stumbled or stuck or wonder-struck as to what the author was trying to convey or how something had been derived. Not even once!I had seen and reviewed many books on linear algebra by many authors (Strang, Poole, Anton, Myers) and was convinced that I would have had to settle for a book by one

of them. In most cases, they were either too simple and boring, or only touched on the surface, or were all over the place, or were more difficult that what I could easily take in.This book was not only the easiest to understand, it also went right to the point in just the right amount of words with easy to understand and very thorough examples to follow which would show all the steps involved - yet never feeling like an over simplified or elementary introduction to the subject and somehow keeping me so interested that I wanted to keep on reading.About the proofs, all I can say is that it felt as though they were written to be understood. I am not a mathematician by any means, and I still think they were extremely easy to follow, yet they were the real thing.But what about the applications of linear algebra? This aspect of the book just stands out from anything that I've ever seen in a book on LA. The applications chosen are highly motivating and really help you appreciate the subject, why you are learning what you are, and what amazing things can be done through it.

Linear Algebra With Applications (Jones and Bartlett Publishers Series in Mathematics. Linear) Essentials Of Discrete Mathematics (Jones and Bartlett Publishers Series in Mathematics) A First Course in Complex Analysis with Applications (Jones and Bartlett Publishers Series in Mathematics: Complex) Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package (5th Edition) (Featured Titles for Linear Algebra (Introductory)) Linear Algebra with Applications (9th Edition) (Featured Titles for Linear Algebra (Introductory)) Laboratory Manual To Accompany Security Strategies In Linux Platforms And Applications (Jones & Bartlett Learning Information Systems Security & Assurance Series) Lebesgue Integration On Euclidean Space, Revised Edition (Jones and Bartlett Books in Mathematics) Security Strategies In Linux Platforms And Applications (Jones & Bartlett Learning Information Systems Security & Assurance) Management of Spinal Cord Injury (Jones & Bartlett Series in Nursing) Jeff Herman's Guide to Book Publishers, Editors and Literary Agents: Who They Are, What They Want, How to Win Them Over (Jeff Herman's Guide to Book Editors, Publishers, and Literary Agents) The 2016 Guide to Manuscript Publishers: 104 Traditional Book Publishers That Don't Require Agents Software Architecture And Design Illuminated (Jones and Bartlett Illuminated (Paperback)) Web Development With Javascript And Ajax Illuminated (Jones and Bartlett Illuminated (Paperback)) Memory Bank for Critical Care: Ekgs and Cardiac Drugs (The Jones and Bartlett Pocket-Sized Nursing Reference) Access Control, Authentication, And Public Key Infrastructure (Jones & Bartlett Learning Information Systems Security) A Nurse's Guide to Caring for Cancer Survivors: Lymphoma (Jones and Bartlett Survivorship) Alcamo's Microbes And Society (Jones & Bartlett Learning Topics in Biology) Mammalogy (Jones & Bartlett Learning Titles in Biological Science) Bridget Jones: Mad About the

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