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Applied Linear Algebra (3rd Edition)

THIRD EDITION

APPLIED LINEAR ALGEBRA

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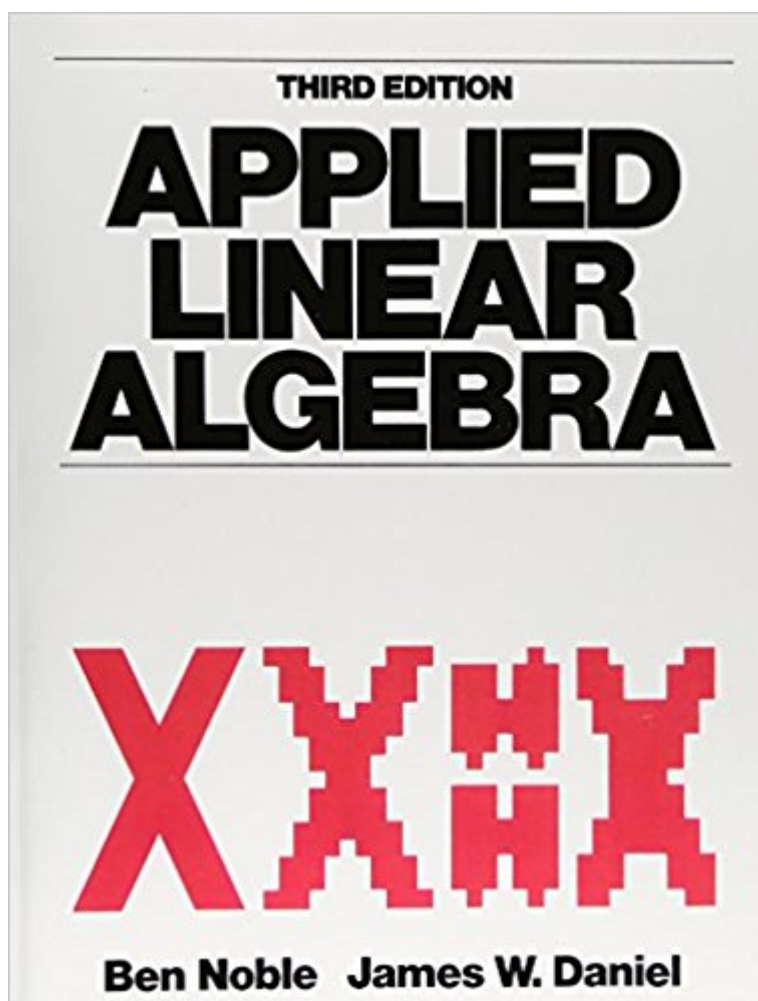
Synopsis

This classic volume applies linear algebra to a variety of disciplinesâ "engineering, the physical sciences, social sciences, and business. It motivates the reader with illustrative examples. This is a competitor to Strang.

Book Information

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Customer Reviews

This classic volume applies linear algebra to a variety of disciplines -- engineering, physical science, social science, business -- and motivates readers with illustrative examples.

No one should use this book for anything.--There are several mistakes throughout the book.----Some are fairly easy to catch, such as inconsistent capitalization of variables when both capitalizations exist within the problem. Ex. The vector w and the space W exist in a problem/example. The author types w at some point, meaning W (or vice versa).----Others are outright logical errors. For a class textbook, this is appalling. Logical leaps are made without showing, or even hinting, that all possible cases are considered, and sometimes concluding statements are just outright wrong, or misleading.--The book seems to be written for the professor, not for the student. Going back to the logical leaps above, several key proofs in the book are halted midway through and concluded with a phrase akin to "and the rest is trivial," leaving the student to figure out the rest for him or herself. This hampers learning incredibly, and puts a lot of pressure on the professor to teach the concepts with the book as a supplement, rather than the book being able to stand on its own merits.In conclusion, unless you have to buy this book as required for a class or

you need a hit or miss reference guide (and lack an internet connection), steer clear. It is not good supplemental material for a student, and it is toxic as a self-study reference.

It is a classical and clear book, specially recommended for students. Good exercises and applications help to understand every subject.

Great book for my algebra class and as a reference on some of my calculations. I'm still reading it but so far I liked.

This book really sucks. U cannot see all the definition and examples with grey shadow which I think is the most important part! So never buy this book! Not kidding.

Basically I agree with all the previous reviewers, bar Aaron.This book is rigourous enough but in a manner that is clear and followable.As noted by another reviewer, they do right by the reader in devoting the introductory chapter to illustrating the use of linear algebra in developing math models for a variety of applications.By doing this the reader is made interested enough to master the early groundwork, i.e. definitions, basic lemmas and theorems.The questions at the end of each chapter are fair enough also and the answers to them are provided.

This is one of the best math books I have ever read. I had to learn linear algebra for my graduate research and this book was invaluable. I just wish they wrote a differential equations book as well. The best part of this book are the excellent conceptual explainations, but the proofs are well motivated and clear as well, and I usually hate proofs. The coverage of Singular Value Decomposition is very good.

It provides an excellent approach to Linear Algebra for self-pacing. Different from other linear algebra books, it's well organized and teaches how and why the ideas come from by providing many interesting examples.It isn't only the classics, but the essential reference for related fields in my bookshelf.

Not as abstract as many linear algebra books, with less emphasis on proof and more on understanding how the pieces fit together.

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