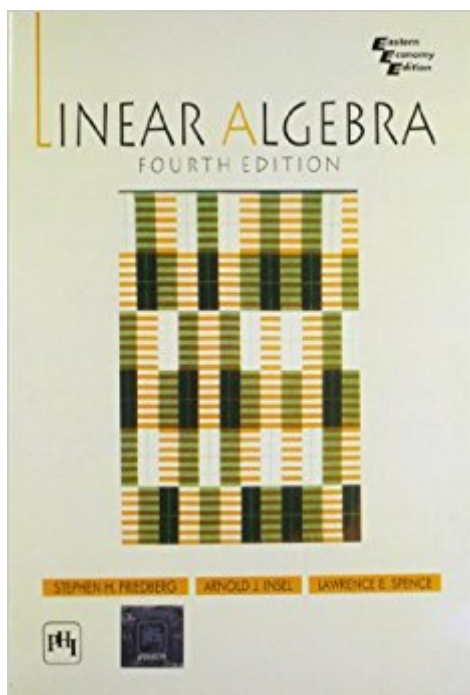


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Linear Algebra



Synopsis

4th Edition printed by Prentice Hall India. Printed on non glossy paper. Same content as the regular version.

Book Information

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Customer Reviews

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Pros:1. Great for self-study. If you work the problems in each section, you'll have a much better grasp of the topic as a whole. There is no official answer key, but many of the problems that look tough are not. (Do not skip the quotient space problems!)2. Elegantly prepares its readers for upcoming topics to the point where important results begin to seem obvious. This book can make you feel smarter than you are, because there are no ugly surprises in the exercise sections and each new section builds from its predecessors.3. Errata provided online.4. Problems which provide results used later in the textbook are (usually) marked.Cons:1. Too expensive, especially considering I've had to use book glue in three places to keep it together. The paper isn't as thick as it should have been -- notes in pencil are obvious on the flipside of the page. At \$80 retail, I would give this book its fifth star.2. The optional sections provide only a basic overview of their topic. They are the weakest part of the book. They are worth some effort, but without a more thorough treatment, the exercises become more difficult than they should have been.Con #1 can be said about many math textbooks, so while you shouldn't take that point too harshly, be prepared to do maintenance on your copy. Similarly, con #2 is a minor issue, but it ought to be addressed in the 5th

edition, given the price. Pros #1-2 are its main selling points. If I ever write math textbook, I hope that it's of this caliber.

This is a wonderful textbook. It explains nearly everything extremely well and makes you like linear algebra, because many theorems are built on the previous ones and this is like building an edifice step by step. At the end, I feel like all the theorems and lemmas are perfectly interconnected with each other in my brain, and this is a great feeling.

I use this book for reference/review purposes and I am very satisfied with it. The book has a nice emphasize on the mutual relationship between linear transformations and matrices. And it is very readable for me. I finish all materials in a short time. I believe that this book has a fourth edition now, though I don't think that it would be much difference to use an older one. Perhaps the book can be more concise by combining several lemmas/theorems together. For instance, theorem 5.13 and the previous lemma seem not to be necessary (and too easy to prove) and should be combined with theorem 5.14. Also I doubt if this book can be used for the first course in algebra as the author indicated, unless you are teaching a group of genius, of course.

I have 3-4 other books on linear algebra, this one definitely seems the most rigorous. The logical development, as it has been presented thus far, is fine. Exercises often present additional material, which makes it hard to use as a self-teaching guide. (I bought the book for a class, but if I hadn't, I would be in desperate need of the solutions manual.) Applications abound, as well. Skimming through the book, I saw several examples incorporate ideas from physics, natural sciences, or social sciences. I suppose I will update this book if it ends up being terrible in the latter half, but I highly doubt that will end up being the case.

The book isn't well structured and isn't as dense with information as it should be. It is also very poorly constructed for the cost. I wouldn't be so unhappy if its price wasn't so incredibly unreasonable considering much better, much nicer books are considerable cheaper.

Good book

Great book for pure mathematics major.

Saved me a bunch of money, it's the exact same book I needed, but soft cover.

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