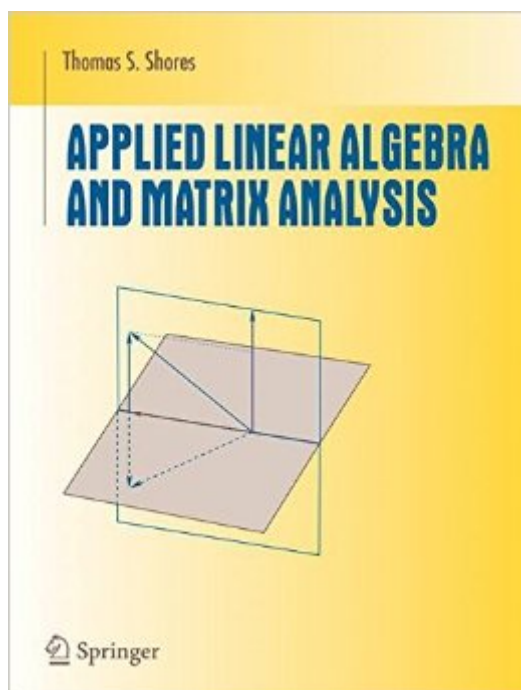


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Applied Linear Algebra And Matrix Analysis (Undergraduate Texts In Mathematics)



Synopsis

This new book offers a fresh approach to matrix and linear algebra by providing a balanced blend of applications, theory, and computation, while highlighting their interdependence. Intended for a one-semester course, Applied Linear Algebra and Matrix Analysis places special emphasis on linear algebra as an experimental science, with numerous examples, computer exercises, and projects. While the flavor is heavily computational and experimental, the text is independent of specific hardware or software platforms. Throughout the book, significant motivating examples are woven into the text, and each section ends with a set of exercises.

Book Information

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Customer Reviews

I have adopted this book as one of the texts for my introductory course on applied math. It's well written and has a diverse set of good examples drawn from everything from computer graphics to sports betting. It's fun to read, and in general, good. It is significantly better than Olver and Shakiban's book of similar title and scope, and a heck of a lot cheaper. In a course like mine where I use several specialized books rather than one of the massive tomes that try (and fail) to cover all of applied math, low price is a factor for me. Negatives include: too few theory problems, a fair number of typos, relegation of the LU factorization to a problem set. On the whole, though, it's not bad.

This is a very well written book. The author brings the 'topic to life' by showing how the linear

algebra can be used in an applied setting. Also the graphics enable the reader to understand the material from a geometric perspective, as opposed to merely looking at terse algebraic equations. Finally, the hints and answers section at the back of the book are very good for self study. Highly recommended!

The item is good as described

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