



Numerical Linear Algebra (Texts in Applied Mathematics)

By Grégoire Allaire, Sidi Mahmoud Kaber

[Download now](#)

[Read Online](#) 

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber

This book distinguishes itself from the many other textbooks on the topic of linear algebra by including mathematical and computational chapters along with examples and exercises with Matlab. In recent years, the use of computers in many areas of engineering and science has made it essential for students to get training in numerical methods and computer programming. Here, the authors use both Matlab and SciLab software as well as covering core standard material. It is intended for libraries; scientists and researchers; pharmaceutical industry.

 [Download Numerical Linear Algebra \(Texts in Applied Mathema ...pdf](#)

 [Read Online Numerical Linear Algebra \(Texts in Applied Mathe ...pdf](#)

Numerical Linear Algebra (Texts in Applied Mathematics)

By Grégoire Allaire, Sidi Mahmoud Kaber

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber

This book distinguishes itself from the many other textbooks on the topic of linear algebra by including mathematical and computational chapters along with examples and exercises with Matlab. In recent years, the use of computers in many areas of engineering and science has made it essential for students to get training in numerical methods and computer programming. Here, the authors use both Matlab and SciLab software as well as covering core standard material. It is intended for libraries; scientists and researchers; pharmaceutical industry.

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber
Bibliography

- Sales Rank: #2861851 in Books
- Published on: 2007-12-05
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .69" w x 6.14" l, 1.17 pounds
- Binding: Hardcover
- 271 pages



[Download Numerical Linear Algebra \(Texts in Applied Mathema ...pdf](#)



[Read Online Numerical Linear Algebra \(Texts in Applied Mathe ...pdf](#)

Download and Read Free Online Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber

Editorial Review

Review

From the reviews:

"Allaire (École Polytechnique, France) and Kaber (Université Pierre et Marie Curie, France) taught a numerical linear algebra course to third-year undergraduates; this work, initially published in French, is the culmination of that course. ... What sets this book apart from others on the subject is its experimental approach in all exercises. For many exercises, the book provides complete solutions including MATLAB scripts Summing Up: Recommended. Upper-division undergraduates, researchers/faculty, and professionals/practitioners." (J. T. Zerger, CHOICE, Vol. 45 (10), June, 2008)

"The book is concerned with two main aspects from the field of matrix computations: solving linear systems of equations and, respectively, computing eigenvalues and eigenvectors of matrices. It is intended for advanced undergraduate students" (Constantin Popa, Zentralblatt MATH, Vol. 1135 (13), 2008)

"The textbook Numerical linear algebra is the English translation of the French edition with the same title The book is divided into eleven chapters. At the end of each chapter some relevant test problems are given. ... The material presented in the book is very well-organized. ... This book is an excellent tool for teachers and students." (Zahari Zlatev, Mathematical Reviews, Issue 2008 m)

"The present book covers material adequate for students at the end of their undergraduate or the beginning of their graduate years. ... The presentation is clear and mathematically precise, and solutions to the numerous exercises ... are provided. Overall, this is a clear and useful introduction into numerical linear algebra." (H. Muthsam, Monatshefte für Mathematik, Vol. 158 (3), November, 2009)

"This book ... was developed for use in a course on numerical linear algebra for third-year undergraduates. ... The methods are described briefly but clearly. ... The exercises are one of the main strengths of the book. ... I can recommend the book as a textbook for undergraduates." (James E. Gentle, SIAM Review, Vol. 52 (1), 2010)

From the Back Cover

This book brings together linear algebra, numerical methods and an easy to use programming environment under Matlab (or Scilab). One of the key features of the book are the worked out examples and exercises at the end of each chapter. The reader is asked to do some numerical experiments in Matlab and then to prove the results theoretically.

The book is a combination and update of two earlier French books by the authors. It is appropriate for both undergraduate and beginning graduate courses in mathematics as well as for working scientists and engineers as a self-study tool and reference. This book is about numerical linear algebra and focuses on practical algorithms for solving computer problems of linear algebra.

Grégoire Allaire is a professor of Applied Mathematics at Ecole Polytechnique in France.

Sidi Mahmoud Kaber is an associate professor at the Universite Pierre et Marie Curie in France.

Users Review

From reader reviews:

Jay Burke:

Exactly why? Because this Numerical Linear Algebra (Texts in Applied Mathematics) is an unordinary book that the inside of the guide waiting for you to snap this but latter it will shock you with the secret the item inside. Reading this book next to it was fantastic author who all write the book in such amazing way makes the content on the inside easier to understand, entertaining technique but still convey the meaning fully. So , it is good for you because of not hesitating having this nowadays or you going to regret it. This phenomenal book will give you a lot of positive aspects than the other book get such as help improving your proficiency and your critical thinking method. So , still want to postpone having that book? If I had been you I will go to the book store hurriedly.

Doris Stanford:

You could spend your free time you just read this book this publication. This Numerical Linear Algebra (Texts in Applied Mathematics) is simple to create you can read it in the area, in the beach, train and soon. If you did not include much space to bring the particular printed book, you can buy typically the e-book. It is make you simpler to read it. You can save the book in your smart phone. So there are a lot of benefits that you will get when one buys this book.

Carole Garner:

Beside this kind of Numerical Linear Algebra (Texts in Applied Mathematics) in your phone, it may give you a way to get nearer to the new knowledge or info. The information and the knowledge you may got here is fresh from oven so don't possibly be worry if you feel like an older people live in narrow commune. It is good thing to have Numerical Linear Algebra (Texts in Applied Mathematics) because this book offers for your requirements readable information. Do you often have book but you seldom get what it's about. Oh come on, that would not happen if you have this inside your hand. The Enjoyable set up here cannot be questionable, just like treasuring beautiful island. So do you still want to miss the idea? Find this book as well as read it from now!

Robert Rascoe:

A lot of book has printed but it takes a different approach. You can get it by world wide web on social media. You can choose the most effective book for you, science, comedian, novel, or whatever by searching from it. It is referred to as of book Numerical Linear Algebra (Texts in Applied Mathematics). You can contribute your knowledge by it. Without causing the printed book, it could possibly add your knowledge and make a person happier to read. It is most important that, you must aware about publication. It can bring

you from one destination to other place.

Download and Read Online Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber #9MUCAH2I53L

Read Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber for online ebook

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber books to read online.

Online Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber ebook PDF download

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber Doc

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber MobiPocket

Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber EPub

9MUCAH2I53L: Numerical Linear Algebra (Texts in Applied Mathematics) By Grégoire Allaire, Sidi Mahmoud Kaber