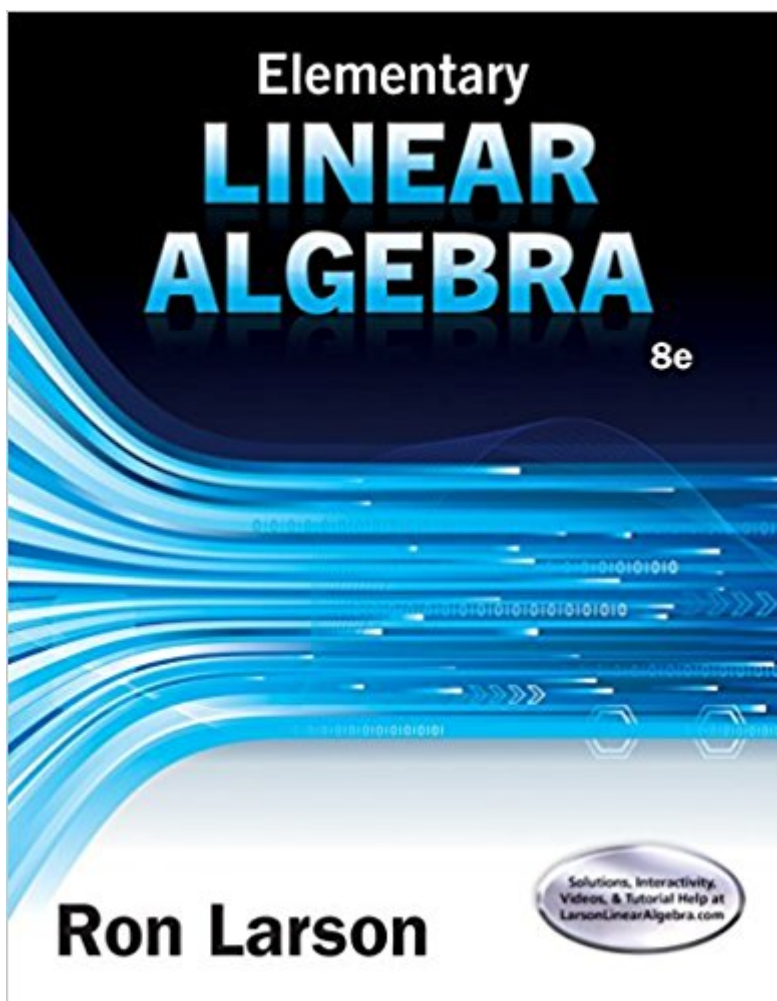


The book was found

Elementary Linear Algebra



Synopsis

ELEMENTARY LINEAR ALGEBRA's clear, careful, and concise presentation of material helps you fully understand how mathematics works. The author balances theory with examples, applications, and geometric intuition for a complete, step-by-step learning system. To engage you in the material, a new design highlights the relevance of the mathematics and makes the book easier to read. Data and applications reflect current statistics and examples, demonstrating the link between theory and practice. The companion website LarsonLinearAlgebra.com offers free access to multiple study tools and resources. CalcChat.com offers free step-by-step solutions to the odd-numbered exercises in the text.

Book Information

Hardcover: 397 pages

Publisher: Brooks Cole; 8 edition (January 1, 2016)

Language: English

ISBN-10: 1305658000

ISBN-13: 978-1305658004

Product Dimensions: 10.9 x 8.5 x 0.9 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars 61 customer reviews

Best Sellers Rank: #13,828 in Books (See Top 100 in Books) #8 in Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Linear #73 in Books > Textbooks > Science & Mathematics > Mathematics > Algebra & Trigonometry

Customer Reviews

#BeUnstoppable with Larson's™s Elementary Linear Algebra [View larger](#) [View larger](#) [View larger](#) [View larger](#) Additional Support On The Companion Website. LarsonLinearAlgebra.com, developed by the author, gives you free access to multiple learning tools and resources. Explore examples, watch lesson videos, download data sets, and much more. Relevant Content. Each chapter opener contains a list of sections, five photos with references to applications, and an arrow indicating the section in which each application appears. Guided Proofs Help You. Successfully complete theoretical proofs with Guided Proofs leading you, step-by-step, through the logical sequence of statements necessary to reach the correct conclusion. Capstone Exercises Reinforce Key Ideas. Capstone exercises are available in each section, reinforcing key ideas learned in the section without being time-consuming or tedious.

Be Confident with MindTap!

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#)

Make it count.

The more time spent in MindTap, the better the results.

Using MindTap throughout your course matters.

Students using apps perform better on

assignments.

Everything in One Place with MindTap

[View larger](#)

[View larger](#)

[View larger](#)

[View larger](#)

Tap into engagement.

MindTap empowers you to produce your best

work consistently. MindTap shows where you stand at all times both individually and

compared to the highest performers in class.

MindTap is designed to help you master the

material. Interactive videos, animations, and activities create a learning path designed by your

instructor to guide you through the course and focus on what's important. MindTap is

mobile. The new MindTap Mobile App provides the mobility and flexibility for you to make any time

study time. MindTap helps you stay organized and efficient. MindTap gives you the study tools

to master the material.

Dr. Ron Larson is a professor of mathematics at The Pennsylvania State University, where he has taught since 1970. He received his Ph.D. in mathematics from the University of Colorado and is considered the pioneer of using multimedia to enhance the learning of mathematics, having authored over 30 software titles since 1990. Dr. Larson conducts numerous seminars and in-service workshops for math educators around the country about using computer technology as an instructional tool and motivational aid. He is the recipient of the 2014 William Holmes McGuffey Longevity Award for CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS, the 2013 Text and Academic Authors Association Award for CALCULUS, the 2012 William Holmes McGuffey Longevity Award for CALCULUS: AN APPLIED APPROACH, and the 1996 Text and Academic Authors Association TEXTY Award for INTERACTIVE CALCULUS (a complete text on CD-ROM that was the first mainstream college textbook to be offered on the Internet). Dr. Larson authors numerous textbooks including the bestselling Calculus series published by Cengage.

I thought Linear Algebra was a fairly easy class, I believe this book also had something to do with that. Simple clean, and lots of examples. I can't stress enough how awesome the website is, for most of the early chapters, they have step by step instructions on how to solve most odd number problems. I never used the rep help, but I thought that extra resource was truly helpful.

I really like the layout and presentation of subject matter in this textbook. If you want to self-teach, I can't think of a better companion text. Everything is clearly laid out in detail. It is oriented towards college sophomore and juniors who are also students of engineering or computer science.

Knowledge of calculus is not required, although there are a couple of examples that use calculus that are clearly labeled and can be omitted without loss of continuity. There are theorems and proofs included, but this is very much an applied example-driven book. There is an abundance of diagrams and figures illustrating every point and example. There is currently a sixth edition, but if you can convince your instructor, go for this edition. I've seen the sixth edition and it offers no better a presentation than this one. Has matrix algebra somehow changed in the last five years? I don't think so. The following is the table of contents:

1. Systems of Linear Equations
2. Matrices
- 3.

4. Determinants
5. Vector Spaces
6. Inner Product Spaces
7. Linear Transformations
8. Eigenvalues and Eigenvectors
9. Complex Vector Spaces

The book has something extra special - every chapter has a section that shows how the material just presented figures into the solution of an actual problem.

The following is the list of applications for each chapter:

1. Applications of Systems of Linear Equations
 - a. Polynomial Curve Fitting
 - b. Network Analysis
2. Applications of Matrix Operations
 - a. Stochastic Matrices
 - b. Cryptography
 - c. Leontief Input-Output Models
 - d. Least Squares Regression Analysis
3. Applications of Determinants
 - a. The adjoint of a matrix
 - b. Cramer's Rule
 - c. Area, Volume, and Equations of lines and planes
4. Applications of Vector spaces
 - a. Linear Differential Equations
 - b. Conic sections and rotation
5. Applications of inner product spaces
 - a. The cross product of two vectors in space
 - b. Least squares approximations
 - c. Fourier approximations
6. Applications of Linear Transformations
 - a. Geometry of linear transformations in the plane
 - b. Computer graphics
7. Applications of eigenvectors and eigenvalues
 - a. Population growth
 - b. Systems of differential equations
 - c. Quadratic equations

Each of the first seven chapters also has two projects each which range from the very simple to the involved.

As far as college textbooks go, this one is fairly easy to understand. The explanations are there. The main drawback is that the author uses the same example several times to illustrate different aspects of linear algebra. For instance, Example 1 will have a matrix, and then the same matrix will be used in Example 2 and Example 3. That isn't great if you had a hard time understanding Example 1! Additionally, the author leaves out key proofs and states "The proof of Corollary 4 is left for you to solve in Problem 45", etc. If this was a proof writing class, maybe that would be acceptable.

I bought to teach myself and this book is extremely helpful

This book has a lot of good information. I am not a math pro so I had a hard time following it. The writer of the book made a lot of assumptions about his readers while writing this book. Later on in the book you will get lost as he skips whole steps assuming you know the steps he skipped. I purchased this book for school. I do not recommend this book if your child has weak math skills as they will end up lost.

I ordered this book for my class which I am currently taken. My professor stated that "this was one of the best linear algebra books out there." I am on my second day of the course so I do not know for myself how good it is. The book was in rougher shape than I expected.

One of the easier math books to follow. Every category is explained well and gives good examples on how to complete the proofs. Be sure to read the chapters thoroughly or else this subject can get mighty confusing.

Fantastic textbook. With discipline: a student could teach themselves Linear Algebra from this book if required. Ron Larson is my new favorite textbook author.

[Download to continue reading...](#)

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)) Bundle: Cengage Advantage Books: Elementary and Intermediate Algebra, 5th + WebAssign Printed Access Card for Tussy/Gustafson's Elementary and Intermediate Algebra, 5th Edition, Single-Term Linear Algebra With Applications (Jones and Bartlett Publishers Series in Mathematics. Linear) Elementary Linear Algebra Elementary Linear Algebra with Applications (9th Edition) Elementary Linear Algebra: Applications Version, 11th Edition Elementary Linear Algebra: Applications Version Elementary Linear Algebra (2nd Edition) Student Solutions Manual to accompany Elementary Linear Algebra, Applications version, 11e Elementary Linear Algebra, Fifth Edition Elementary Linear Algebra Package Purdue University Elementary Linear Algebra with Applications (Classic Version) (9th Edition) (Pearson Modern Classics for Advanced Mathematics Series) Elementary Linear Algebra, Fourth Edition Student Solutions Manual for Elementary Linear Algebra with Applications Elementary & Intermediate Algebra (3rd Edition) (The Sullivan/Struve/Mazzarella Algebra Series)

Elementary and Intermediate Algebra, Plus NEW MyMathLab with Pearson eText -- Access Card Package (4th Edition) (Carson Developmental Algebra Series) Elementary and Intermediate Algebra: Algebra Within Reach Elementary Linear Programming with Applications, Second Edition (Computer Science & Scientific Computing Series) Elementary Linear Circuit Analysis (The Oxford Series in Electrical and Computer Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)