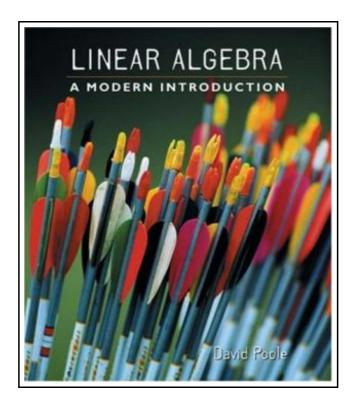
Linear Algebra: A Modern Introduction



Filesize: 8.05 MB

Reviews

Thorough guide! Its this sort of excellent read. It is really simplified but unexpected situations in the 50 % in the book. You are going to like just how the blogger create this publication. (Prof. Lela Steuber)

LINEAR ALGEBRA: A MODERN INTRODUCTION



Brooks Cole, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. VECTORS. Introduction: The Racetrack Game. The Geometry and Algebra of Vectors. Length and Angle: The Dot Product. Exploration: Vectors and Geometry. Lines and Planes. Exploration: The Cross Product. Code Vectors and Modular Arithmetic. Vignette: The Codabar System. Chapter Review. 2. SYSTEMS OF LINEAR EQUATIONS. Introduction: Triviality. Introduction to Systems of Linear Equations. Exploration: Lies My Computer Told Me. Direct Methods for Solving Linear Systems. Exploration: Partial Pivoting. Exploration: Counting Operations - An Introduction to the Analysis of Algorithms. Spanning Sets and Linear Independence. Applications: Allocation of Resources; Balancing Chemical Equations; Network Analysis; Electrical Networks; Finite Linear Games. Vignette: The Global Positioning System. Iterative Methods for Solving Linear Systems. Chapter Review. 3. MATRICES. Introduction: Matrices in Action. Matrix Operations. Matrix Algebra. The Inverse of a Matrix. The LU Factorization. Subspaces, Basis, Dimension, and Rank. Introduction to Linear Transformations. Applications: Markov Chains; Population Growth; Graph Theory; Error-Correcting Codes. Vignette: Robotics. Chapter Review. 4. EIGENVALUES AND EIGENVECTORS. Introduction: A Dynamical System on Graphs. Eigenvalues and Eigenvectors. Determinants. Exploration: Geometric Applications of Determinants. Eigenvalues and Eigenvectors of n x n Matrices. Similarity and Diagonalization. Iterative Methods for Computing Eigenvalues. Applications: Markov Chains; Population Growth; the Perron-Frobenius Theorem; Linear Recurrence Relations; Systems of Linear Differential Equations; Linear Dynamical Systems. Vignette: Ranking Sports Teams and Searching the Internet. Chapter Review. 5. ORTHOGONALITY. Introduction: Shadows on a Wall. Orthogonality in Rn. Orthogonal Complements and Orthogonal Projections. The Gram-Schmidt Process and the QR Factorization. Exploration: The Modified QR Factorization. Exploration: Approximating Eigenvalues with the QR Algorithm. Orthogonal Diagonalization of Symmetric Matrices. Applications: Dual Codes; Quadratic Forms; Graphing Quadratic Forms. Chapter Review. 6. VECTOR SPACES. Introduction: Fibonacci in (Vector) Space. Vector Spaces and Subspaces. Linear Independence, Basis, and Dimension. Exploration: Magic...



Read Linear Algebra: A Modern Introduction Online
Download PDF Linear Algebra: A Modern Introduction

See Also



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Save eBook »



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

Save eBook »



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

Save eBook »



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

Save eBook »



California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English. Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

Save eBook »



Illustrated Computer Concepts and Microsoft Office 365 Office 2016 (Paperback)

Cengage Learning, Inc, United States, 2016. Paperback. Book Condition: New. Language: English . Brand New Book. Now you can master today s most important computer concepts as well as key Microsoft Office 2016 skills with

Save PDF »



Genuine book Oriental fertile new version of the famous primary school enrollment program: the intellectual development of pre-school Jiang(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2012-09-01 Pages: 160 Publisher: the Jiangxi University Press Welcome Salan. service

Save PDF »



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights,

Save PDF »



Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How

Save PDF »



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234×185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy

Save PDF »