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Table of Contents for Introduction to Linear Algebra (5th edition 2016)
1 Introduction to Vectors
1.1 Vectors and Linear Combinations;
1.2 Lengths and Dot Products; 1.3 Matrices;
2 Solving Linear Equations
2.1 Vectors and Linear Equations; 2.2 The Idea of Elimination;
2.3 Elimination Using Matrices

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mappings that are required for linear transforms. It is a relatively young field of study, having initially been formalized in the 1800s in order to find unknowns in systems of linear equations.

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This book is meant to provide an introduction to vectors, matrices, and least squares methods, basic topics in applied linear algebra. Our goal is to give the beginning student, with little or no prior exposure to linear algebra, a good ground-ing in the basic ideas, as well as an appreciation for how they are used in many

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Linear Algebra | Khan Academy

The book starts with basics like vector, linear independence then continue through vector spaces and subspaces to orthogonality and determinants, so covers all necessary pieces to start with the more interesting stuff like eigenvectors, linear transformations, and application of linear algebra.

Amazon.com: Customer reviews: Introduction to Linear Algebra

This is a basic subject on matrix theory and linear algebra. Emphasis is given to topics that will be useful in other disciplines, including systems of equations, vector spaces, determinants, eigenvalues, similarity, and positive definite matrices.

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