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LINEAR ALGEBRA: THEORY AND APPLICATIONS (SECOND EDITION)

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Jones & Bartlett/Viva Books Private Limited, 2014. Softcover. Book Condition: New. 2nd edition. Description: Ward Cheney and David Kincaid have developed Linear Algebra: Theory and Applications, Second Edition, a multi-faceted introductory textbook, which was motivated by their desire for a single text that meets the various requirements for differing courses within linear algebra. For theoretically oriented students, the text guides them as they devise proofs and deal with abstractions by focusing on a comprehensive blend between theory and applications. For application-oriented science and engineering students, it contains numerous exercises that help them focus on understanding and learning not only vector spaces, matrices, and linear transformations, but uses of software tools available for applied linear algebra. With its flexible design, it is an ideal textbook for instructors who wish to make their own choice regarding what material to emphasize, and to accentuate those choices with homework assignments from a large variety of exercises both in the text and online. New and Key Features of the Second Edition: ? New General Exercises and Computer Exercises have been added to nearly all sections throughout the text. ? Thousands of exercises both True/False and multiple-choice, are included online and within the Student Resource Manual. ? The authors encourage students to utilize one of the powerful mathematical software tools, such as MATLAB?, Maple , or mathematica to assist in solving exercises. ? Numerous examples throughout the text show how problems from engineering, biology, natural Science, and demography can be solved using linear algebra. ? A Student Resource Manual provides worked solutions to selected exercises from the text as well as additional exercises. Contents: Preface CHAPTER 1: SYSTEMS OF LINEAR EQUATIONS ? 1.1 Solving Systems of Linear Equations ? Linear Equations ? Systems of Linear Equations ? General Systems of Linear Equations ? Gaussian Elimination ?...

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