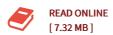# Linear Algebra and Its Applications (Hardback)

By Peter D. Lax

John Wiley & Sons Inc, United States, 2007. Hardback. Condition: New. 2nd Edition. Language: English. Brand new Book. Praise for the First Edition ".recommended for the teacher and researcher as well as for graduate students. In fact, [it] has a place on every mathematician's bookshelf." - American Mathematical Monthly Linear Algebra and Its Applications, Second Edition presents linear algebra as the theory and practice of linear spaces and linear maps with a unique focus on the analytical aspects as well as the numerous applications of the subject. In addition to thorough coverage of linear equations, matrices, vector spaces, game theory, and numerical analysis, the Second Edition features student-friendly additions that enhance the book's accessibility, including expanded topical coverage in the early chapters, additional exercises, and solutions to selected problems. Beginning chapters are devoted to the abstract structure of finite dimensional vector spaces, and subsequent chapters address convexity and the duality theorem as well as describe the basics of normed linear spaces and linear maps between normed spaces.Further updates and revisions have been included to reflect the most up-to-date coverage of the topic, including:* The QR algorithm for finding the eigenvalues of a self-adjoint matrix * The Householder algorithm for turning self-adjoint...

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