Linear Algebra and its Applications

THIRD EDITION

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ALWAYS LEARNING



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4. Vector Spaces.

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5. Eigenvalues and Eigenvectors.

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6. Orthogonality and Least-Squares.

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7. Symmetric Matrices and Quadratic Forms.

Introductory Example: Multichannel Image Processing. Diagonalization of Symmetric Matrices. Quadratic Forms. Constrained Optimization. The Singular Value Decomposition. Applications to Image Processing and Statistics. Appendices.