

Mathematics: Linear Algebra

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Syllabus

Vector spaces.

Bases and linear independence.

Linear applications.

Matrix representation of a linear application.

Eigenvalues and eigenvectors.

Quadratic forms.

References

C.P. Simon and L. Blume, *Mathematics for Economists*. W.W. Norton & Company, 1994.

Serge Lang, *Introduction to Linear Algebra*, Springer, 1997.