

Linear Algebra

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December 5, 2025

Abstract

This is a college-level Linear Algebra & Differential Equations course taught by Mr. James Perna at the Bronx High School of Science. Topics include System of Linear Equations, Determinants, Vector Spaces, Eigenvalues and Eigenvectors, Linear Transformation, and Orthogonality.

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Chapter 1

Systems of Linear Equations and Matrices

Chapter 2

Application of Matrices

Chapter 3

Determinants

Chapter 4

Euclidean Vector Spaces

Chapter 5

General Vector Spaces