## MATH 2418 Notes

Stasya

Spring 2025

MATH 2418 - Introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvectors; and applications in science and engineering.

## **Contents**

1 Chapter 1 2

## 1 Chapter 1