

## Contents

0.1 Eigenvalues and eigenvectors . . . . .	1
--	---

### 0.1 Eigenvalues and eigenvectors

Which vectors remain unchanged in direction after a transformation?

That is, for a matrix  $A$ , what vectors  $v$  are equal to scalar multiplication by  $\lambda$  following the operation of the matrix.

$$Av = \lambda v$$