Goals of this recitation

- Eigenvalues
- Eigenvectors

Contents

Goals of this recitation	1
1. Eigenvectors and eigenvalues	1
1.1. Motivation	1
1.2. Building geometric tools	1
1.3. Applying this to problems	1
2. Repeated Eigenvectors	3
References	3

1. Eigenvectors and eigenvalues

- 1.1. Motivation. In one dimension, we had a motivation for defining stability
- 1.2. Building geometric tools.
- 1.3. **Applying this to problems.** Find the general solution to the following problems.

$$x' = \begin{pmatrix} 2 & -1 \\ 3 & -2 \end{pmatrix} x$$

Now try this yourself.

$$x' = \begin{pmatrix} 3 & -2 \\ 2 & -2 \end{pmatrix} x$$

2. Repeated Eigenvectors

REFERENCES

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