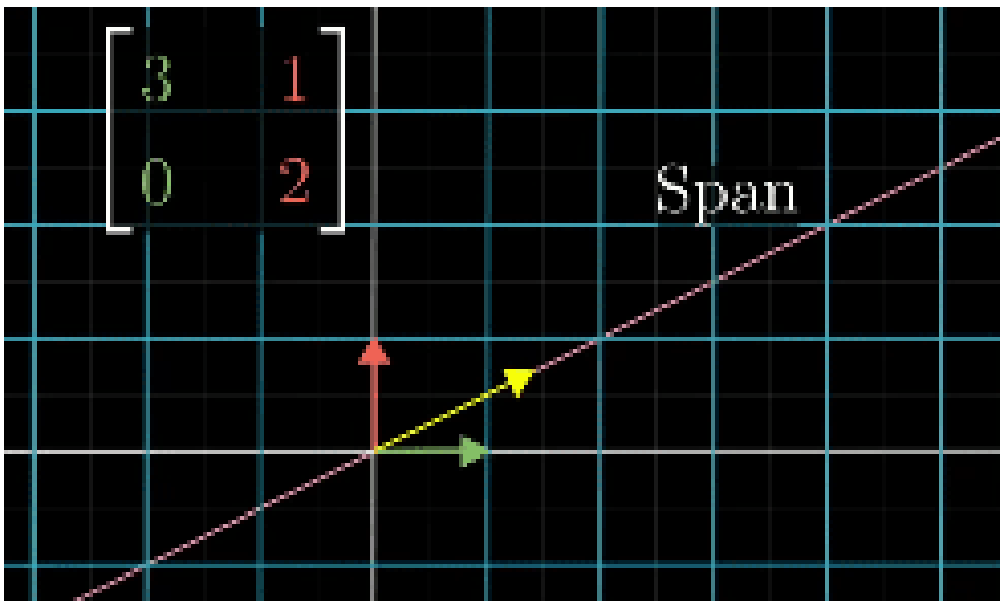
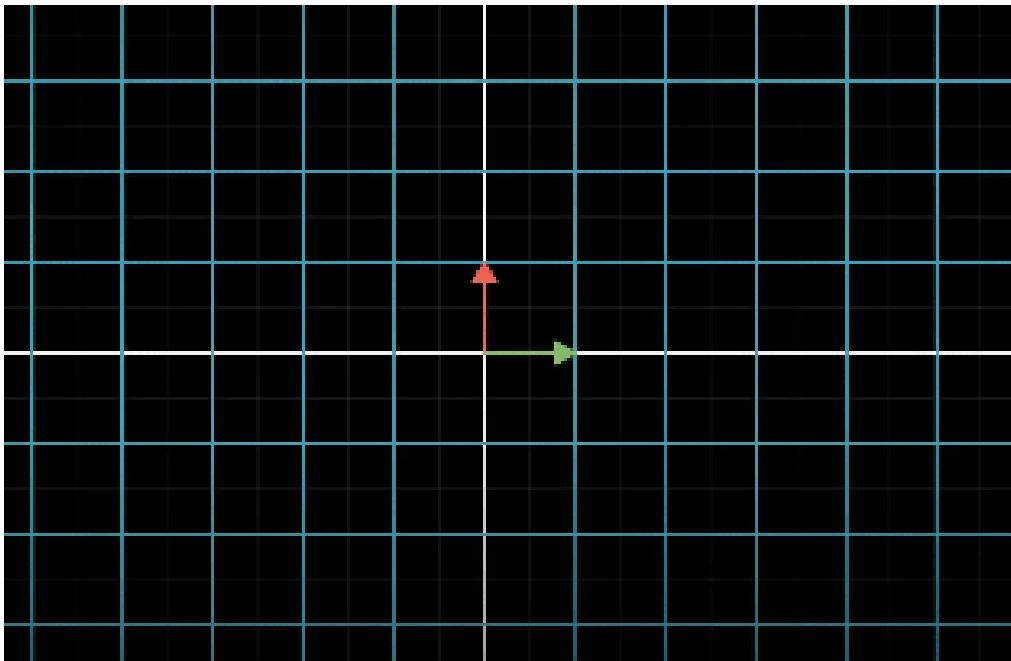
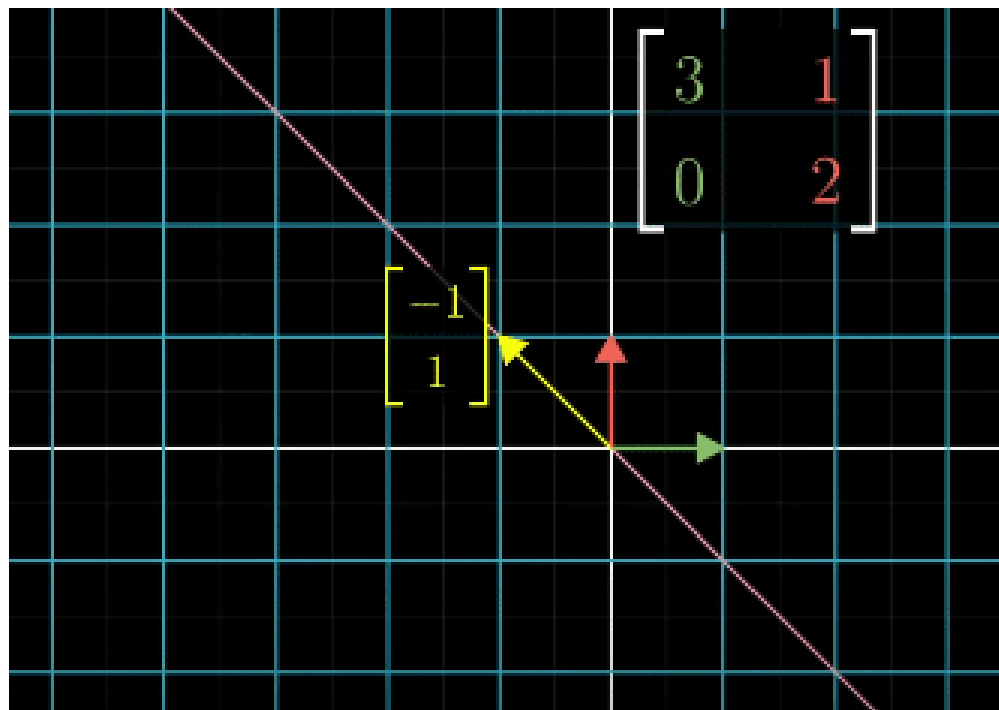
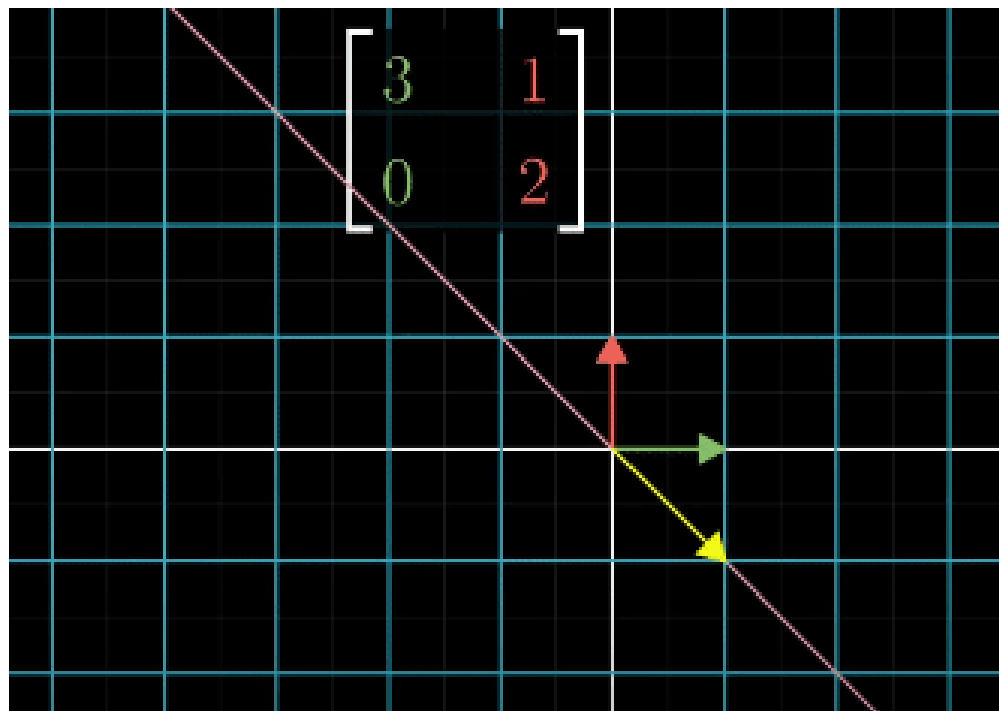
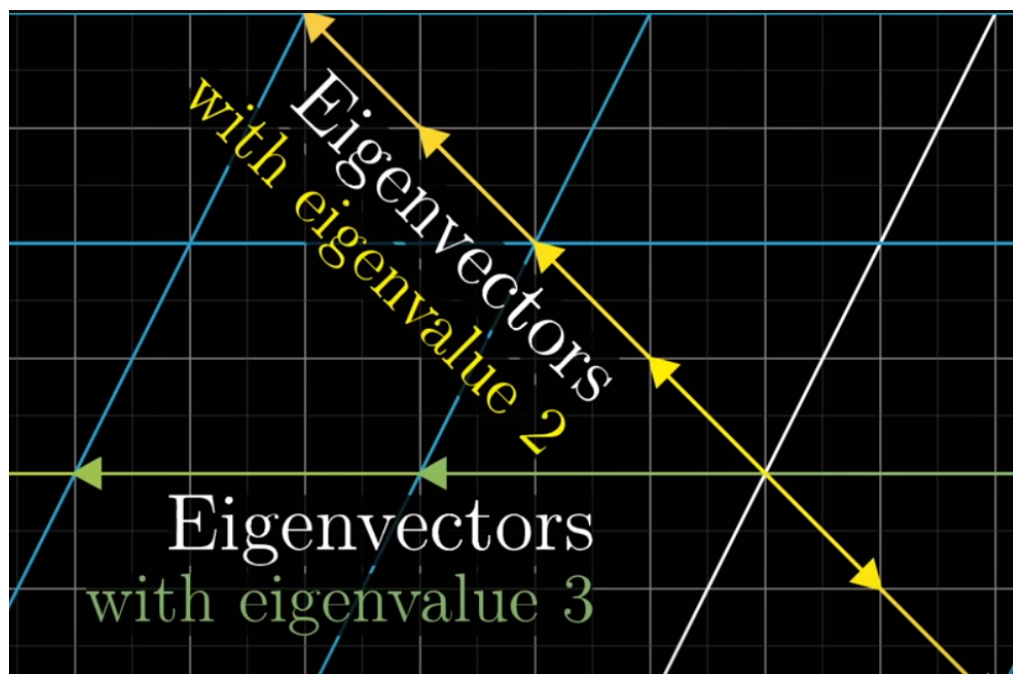
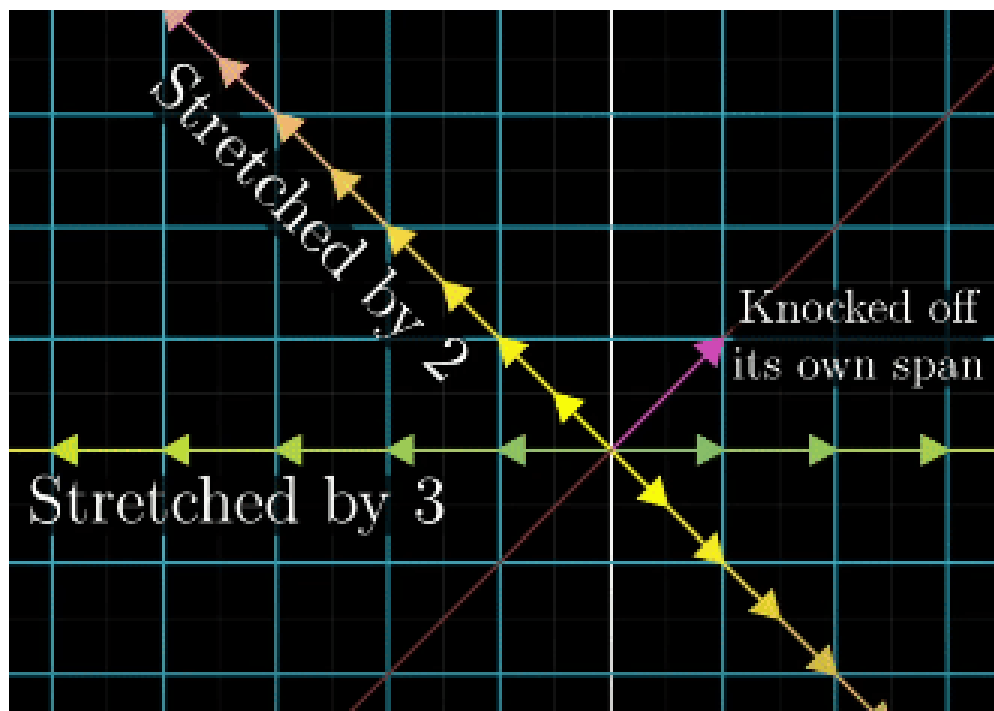


Eigenvectors and Eigenvalues

Prereq: Change of Basis, Determinants, Linear Transformation, Linear Systems of Equations, span







$$\begin{bmatrix} 0.5 & -1.0 \\ -1.0 & 0.5 \end{bmatrix}$$

Eigenvector with
eigenvalue $-\frac{1}{2}$



“Diagonal matrix”

$$\begin{bmatrix} -5 & 0 & 0 & 0 \\ 0 & -2 & 0 & 0 \\ 0 & 0 & -4 & 0 \\ 0 & 0 & 0 & 4 \end{bmatrix}$$

Revision #3

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