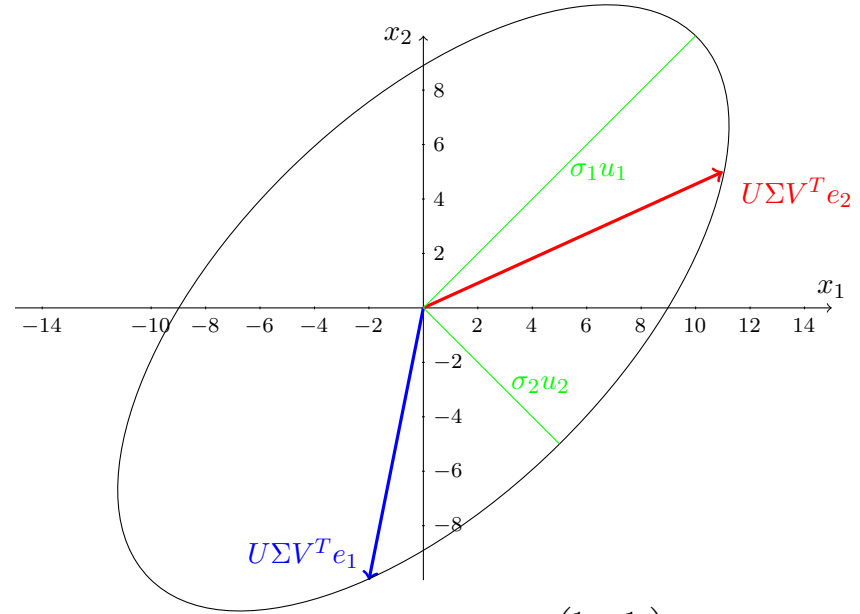
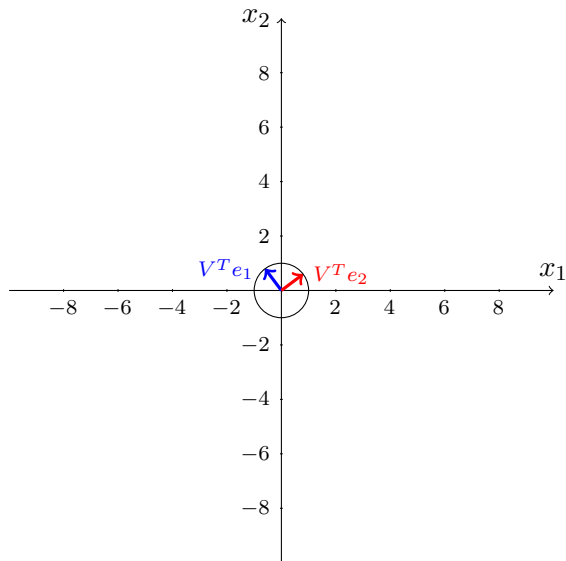


$$A = U\Sigma V^T = \begin{pmatrix} -2 & 11 \\ -10 & 5 \end{pmatrix}$$



↓ $V^T = \frac{1}{5} \begin{pmatrix} -3 & 4 \\ 4 & 3 \end{pmatrix}$ Spiegelung

↑ $U = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix}$ Spiegelung



$$\Sigma = \begin{pmatrix} \sqrt{200} & 0 \\ 0 & \sqrt{50} \end{pmatrix}$$

Streckung

