

$$M V = U U^T \Sigma U$$

Diagram illustrating the matrix equation $M V = U U^T \Sigma U$.

- M (Green rectangle)
- MV (Light gray rectangle)
- U (Red rectangle)
- U^T (Red rectangle, labeled V in the diagram)
- Σ (Green rectangle, containing a 3x3 matrix with green squares on the main diagonal and white squares elsewhere)
- $U\Sigma$ (Light gray rectangle)