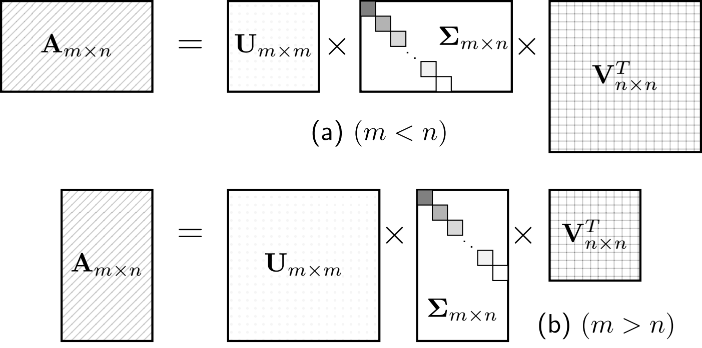
$\mathbf{A}_{m\times n}$ = $\mathbf{U}_{m\times m}$ × $\mathbf{\Sigma}_{m\times n}$ × $\mathbf{V}^T_{n\times n}$
(a) $(m < n)$
$\mathbf{A}_{m\times n}$ = $\mathbf{U}_{m\times m}$ × $\mathbf{\Sigma}_{m\times n}$ × $\mathbf{V}^T_{n\times n}$
(b) $(m > n)$