50D and Image Compression

Nov 17, 2020

SUD AND PATA COMPRESSION $A_{K} = \sum_{i=0}^{k-1} u[:,i]v[:,:]^{T}$ $= \begin{bmatrix} k \\ k \end{bmatrix} \begin{bmatrix} k \\ k \end{bmatrix} \begin{bmatrix} v_{k} \\ v_{k} \end{bmatrix} \begin{bmatrix} v_{k} \\ v_{k} \end{bmatrix}$ $= \begin{bmatrix} k \\ v_{k} \end{bmatrix} \begin{bmatrix} v_{k} \\ v_{k} \end{bmatrix} \begin{bmatrix}$ Ax is the same shape as A, | |A| - A| = 0k Ak has mn elements, but we can store Ak as just Uk, Sk, Vk: (m+n+1) k numbers. If keem, n this is a big savings.