

by Rebecca Won

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EECSIGB SURV



(Jupper Notebook for the rest of the powles)

b) VT - orthenormal (columns are unit vector) - commot do scaling - votate/reflect c)  $\Sigma \rightarrow scales$  vectors that have been transformed into V basis U - ovinonal - votate /vellat J) Note: VT, U only does the votation  $\Rightarrow$  all the scatting done by A is construct by  $\Sigma$ e)  $6_1 \vec{u}_1 = \begin{bmatrix} 0 \\ -3 \end{bmatrix}$  semit-major ants  $G_{2} \overline{U} = \begin{bmatrix} -1 \\ D \end{bmatrix}$  Garnit-Mitor arts  $\uparrow$ Ð) win through Jupyter Notebook