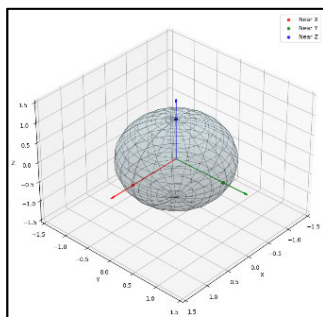
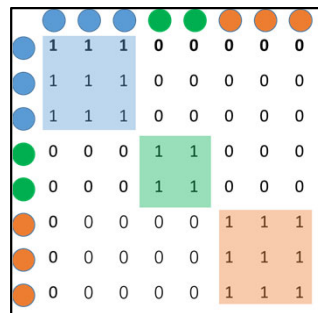


Ideal

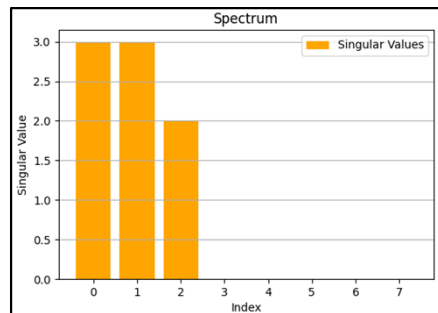


Similarity
matrix

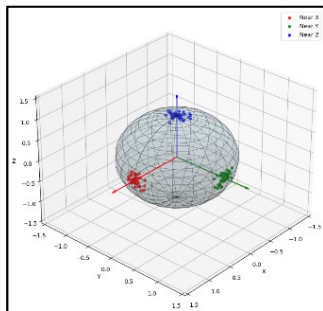


$r = 3$

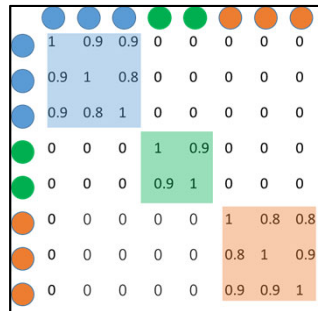
SVD



Real

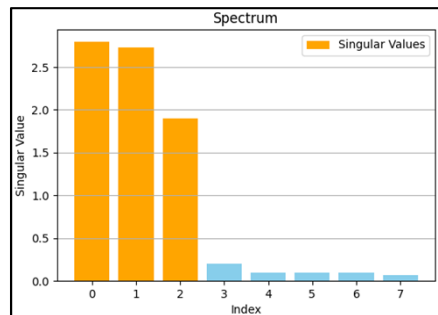


Similarity
matrix



$r > 3$

SVD



$$\frac{\sigma_1 + \sigma_2 + \sigma_3}{\sum \sigma_i} = 92.93\% \quad \frac{\sigma_4}{\sigma_3} = 0.95$$