Comparison of SVD and random initialisation. 30000 Random initialisation 1st term of SVD 2nd term of SVD Zero matrix 25000  $\begin{array}{c} \text{Led neuc} \\ 15000 \\ \end{array}$ 10000 5000 Error  $(\sum_{i,j}(A_{i,j}-\hat{A}_{i,j})^2)$