

Spectral Fine-tuning

Initialization:

$$W = U \Sigma V^T$$
$$\approx \left(\begin{array}{|c|c|c|} \hline U_p & \Sigma_p & V_p^T \\ \hline \end{array} \right)$$

Spectral Fine-tuning:

$$W \approx \left(\begin{array}{|c|c|c|} \hline U_p & B_U & A_U \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline V_p & B_V & A_V \\ \hline \end{array} \right)^T \Sigma_p$$