

计算待分解矩阵

参数矩阵

$$W_v = [W_{v,1} \ W_{v,2} \ \dots \ W_{v,G}]$$

SVD+低秩近似

$$S_{v,1}W_{v,1} \ S_{v,2}W_{v,2} \ \dots \ S_{v,G}W_{v,G}$$

变换矩阵

$$\begin{bmatrix} S_{v,1} & S_{v,2} & \dots & S_{v,G} \end{bmatrix}$$

低秩重建结果

$$P_v \times [Q_{v,1} \ Q_{v,2} \ \dots \ Q_{v,G}] = P_v Q_{v,1} \ P_v Q_{v,2} \ \dots \ P_v Q_{v,G}$$