

Foreground / Background Estimation

$$\mathbf{x}^* = \arg\min_{\mathbf{x}} \sum_{i \in \mathcal{V}} \psi_i(0) (1 - x_i) + \psi_i(1) x_i + \sum_{i,j \in \mathcal{E}} (K_{ij}(1 - x_i)x_j + K_{ij}(1 - x_j)x_i)$$

Could be arbitrary

we can add the same constant to make them positive

the solution will not change