

least square fit for color rendering

$$Lab_{i, \text{aim}}^* - Lab_{i, \text{gopt}}^* = \text{Min.}$$

color-differences $\Delta(Lab^*)$ for
CIE-test colors $i = 1, 2, \dots, 17$

$$\Delta L_i^* = L_{i, \text{aim}}^* - L_{i, \text{gopt}}^*$$

$$\Delta a_i^* = a_{i, \text{aim}}^* - a_{i, \text{gopt}}^*$$

$$\Delta b_i^* = b_{i, \text{aim}}^* - b_{i, \text{gopt}}^*$$

$$\sum_{i=1,17} [(\Delta L_i^*)^2 + (\Delta a_i^*)^2 + (\Delta b_i^*)^2]^{1/2} = \text{Min.}$$