

CIEF10 spectral tristimulus values $\bar{y}_{\max}(\lambda)=1$

$$\bar{y}_{F10,1}(\lambda)=A_{21}\bar{l}_{F10,1}(\lambda)+A_{22}\bar{m}_{F10,1}(\lambda)+A_{23}\bar{s}_{F10,1}(\lambda)$$

$$A_{2j} \quad 0,6928 \quad 0,3496 \quad 0,000 \quad (\lambda \sim 545)$$

$$D50: \Sigma \bar{y}_{F10,1}(\lambda)=22,86$$

$$\bar{y}_0=\bar{y}_{F10,1}(\lambda)$$

$$x_{F10,1}=0,3480 \quad y_{F10,1}=0,3594$$

$$\bar{y}_1=A_{21}\bar{l}_{F10,1}(\lambda)$$

$$a=\bar{y}_{F10,1}(\lambda_a)/\bar{m}_{F10,1}(\lambda_a)$$

$$\bar{y}_2=A_{22}\bar{m}_{F10,1}(\lambda)$$

$$b=\bar{y}_{F10,1}(\lambda_a)/\bar{l}_{F10,1}(\lambda_a)$$

$$\bar{y}_3=a\bar{y}_2-b\bar{y}_1$$

$$\bar{y}_4=b\bar{y}_1-a\bar{y}_2$$

Adaptation:

$$\lambda_a=570\text{nm}$$

D50

