

$F_{ab}(x_r) =$ achromatic receptor response

$$F_{ab}(x_r) = b \frac{p}{p+q} + b \frac{-q}{p+q} = b \frac{p-q}{p+q} \quad p = e^{x_r/a} \quad q = e^{-x_r/a}$$

$a=1,00, b=1,00 \quad e=2,718282$

$$F'_{ab}(x_r) = 4b / [a \{e^{x_r/a} + e^{-x_r/a}\}^2] = 4b / [a \{p+q\}^2]$$

$a=1,00; b=1,00$

Asymptote

$F'_{ab}(x_r)$

$F_{ab}(x_r)$

N

W

$$m_{1,01} = 0,98$$

L_u range of office luminance

$$L_u = 28 \text{ cd/m}^2$$

$$x_r = \log[L/L_u]$$