

# $F'_{ab}(x_r) =$ Ableitung unbunte Rezeptorerregung

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

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

$$e=2,718282, a'=a \ln(10)=2,302$$

$$a_1=0.707, b_1=1.0$$

$$a_2=1.414, b_2=-0.999$$

Asymptote

$F'_{0.71\_1.0}$

$F'_{0.71\_1.0} +$   
 $F'_{1.41\_0.99}$

$F'_{1.41\_0.99}$

N  $m_0 = 0.0$  W  
 $m_1 = 0.0$   
 $m_2 = 0.0$

$L_u$  Bereich Büro-  
Leuchtdichte

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

$x_r = \log[L/L_u]$