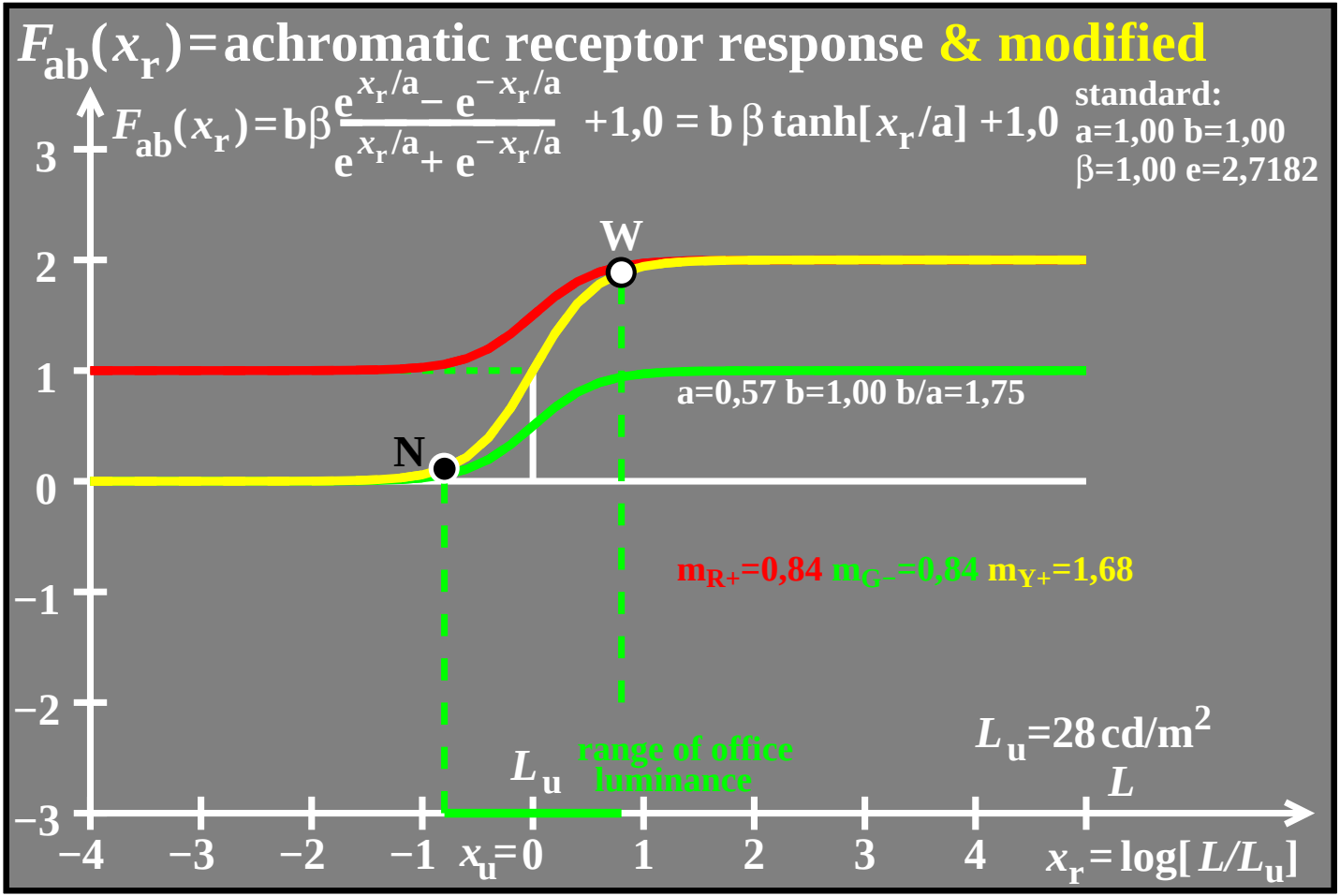
$F_{ab}(x_r)$ = achromatic receptor response & modified
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} + 1{,}0 = b\,\beta \tanh[x_r/a] + 1{,}0$
standard:
a=1,00 b=1,00
β=1,00 e=2,7182
W
N
a=0,57 b=1,00 b/a=1,75
m_{R+}=0,84 m_{G-}=0,84 m_{Y+}=1,68
L_u=28 cd/m²
L_u
range of office luminance
L
3
2
1
0
−1
−2
−3
−4
−3
−2
−1
x_u=0
1
2
3
4
$x_r = \log[L/L_u]$

heu40−4a