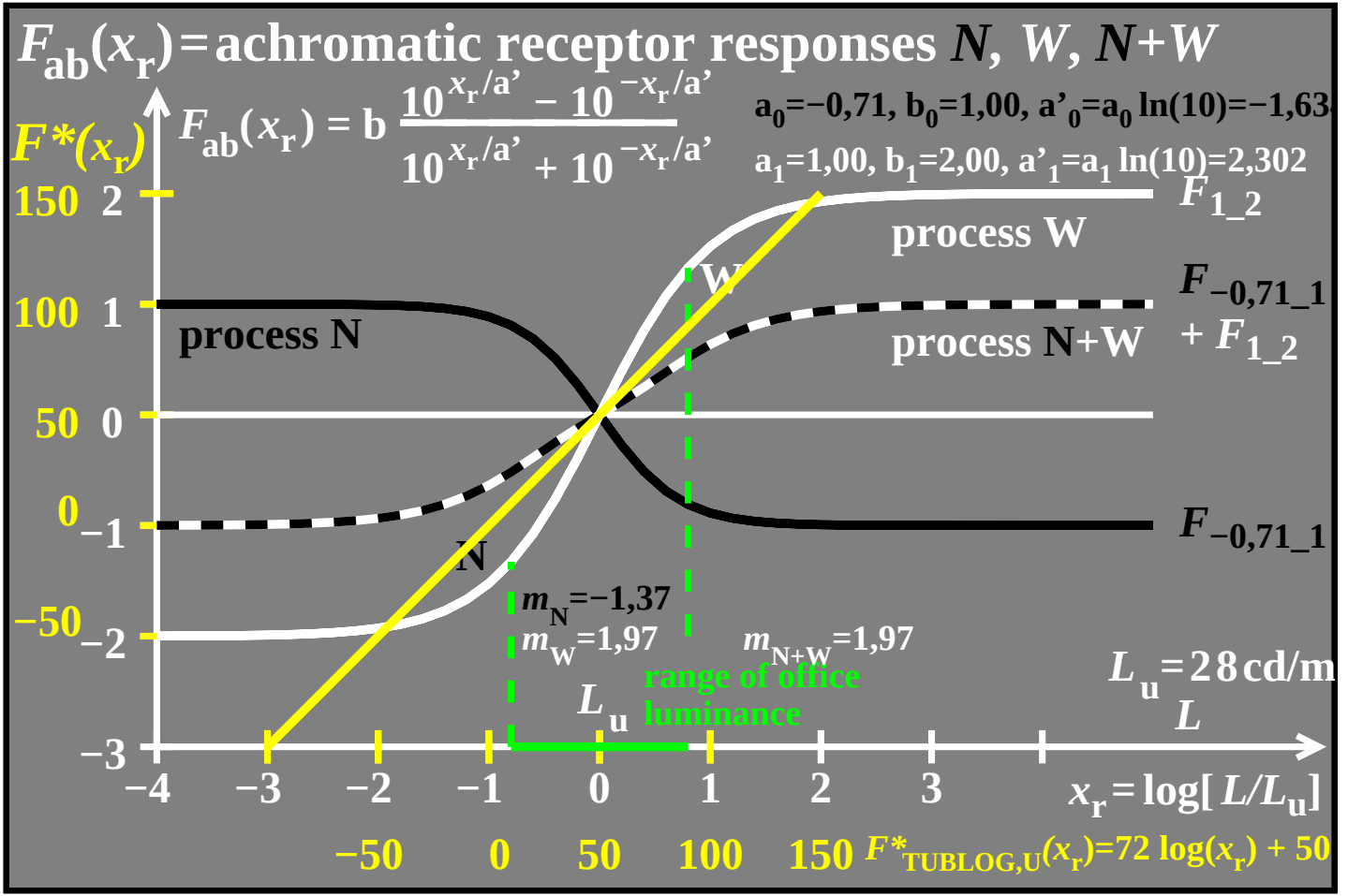
$F_{ab}(x_r)$ = achromatic receptor responses N, W, $N+W$
$F_{ab}(x_r) = b\,\frac{10^{x_r/a'} - 10^{-x_r/a'}}{10^{x_r/a'} + 10^{-x_r/a'}}$
$a_0=-0{,}71$, $b_0=1{,}00$, $a'_0=a_0\ln(10)=-1{,}63$
$a_1=1{,}00$, $b_1=2{,}00$, $a'_1=a_1\ln(10)=2{,}302$
$F^*(x_r)$
150 2
100 1
50 0
0 −1
−50 −2
−3
process N
process W
process N+W
W
N
F_{1_2}
$F_{-0{,}71_1} + F_{1_2}$
$F_{-0{,}71_1}$
$m_N=-1{,}37$
$m_W=1{,}97$
$m_{N+W}=1{,}97$
L_u
range of office luminance
$L_u=28$ cd/m
L
−4 −3 −2 −1 0 1 2 3
$x_r = \log[L/L_u]$
−50 0 50 100 150
$F^*_{TUBLOG,U}(x_r)=72\log(x_r)+50$

heb01−4a