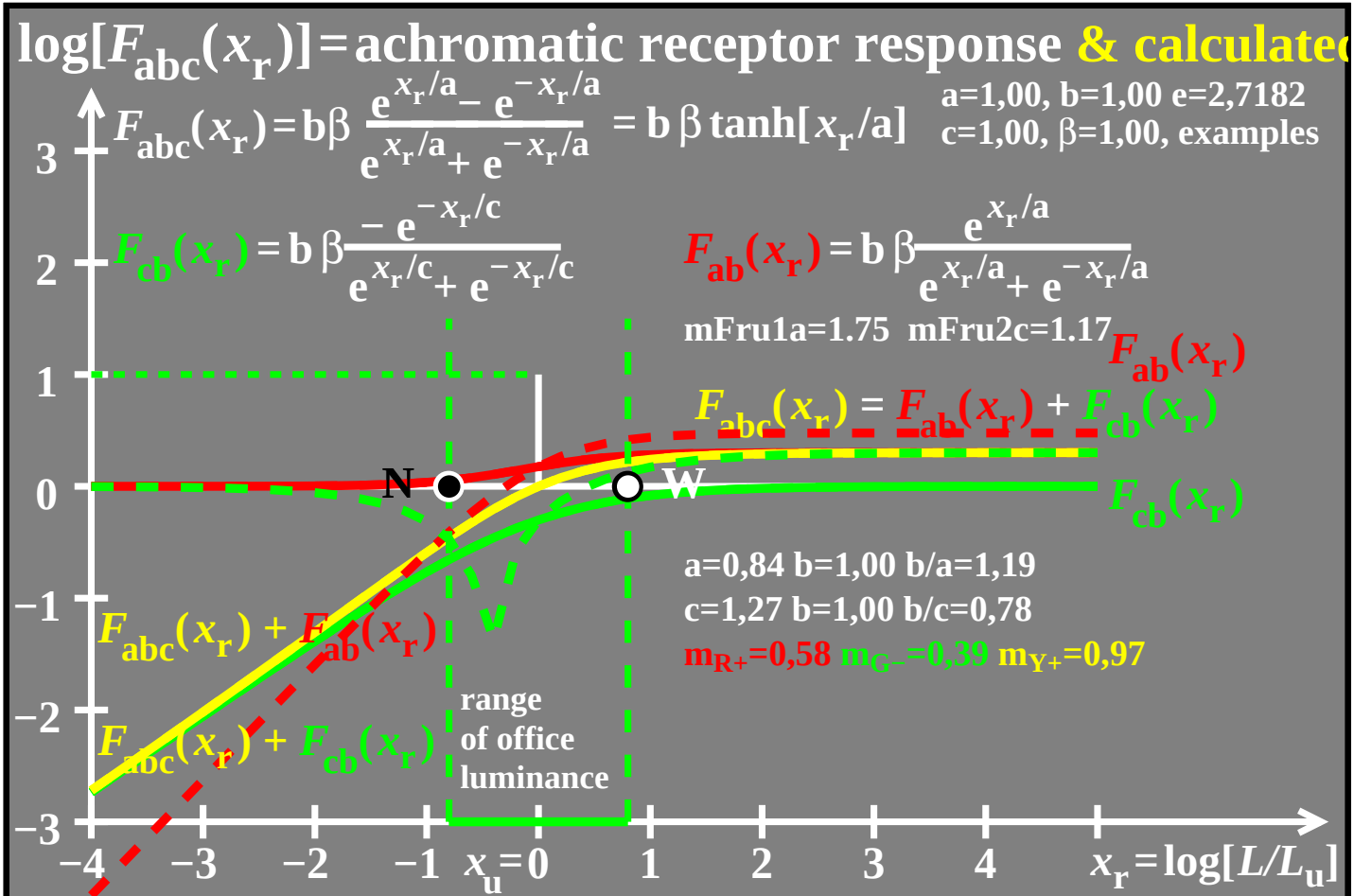
log[$F_{abc}(x_r)$]=achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\,\beta \tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{cb}(x_r) = b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\,\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
mFru1a=1.75 mFru2c=1.17
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{cb}(x_r)$
$F_{cb}(x_r)$
N
W
a=0,84 b=1,00 b/a=1,19
c=1,27 b=1,00 b/c=0,78
m_{R+}=0,58 m_{G-}=0,39 m_{Y+}=0,97
$F_{abc}(x_r) + F_{ab}(x_r)$
$F_{abc}(x_r) + F_{cb}(x_r)$
range
of office
luminance
3
2
1
0
−1
−2
−3
−4
−3
−2
−1
x_u=0
1
2
3
4
x_r=log[L/L_u]

eeo81−8a