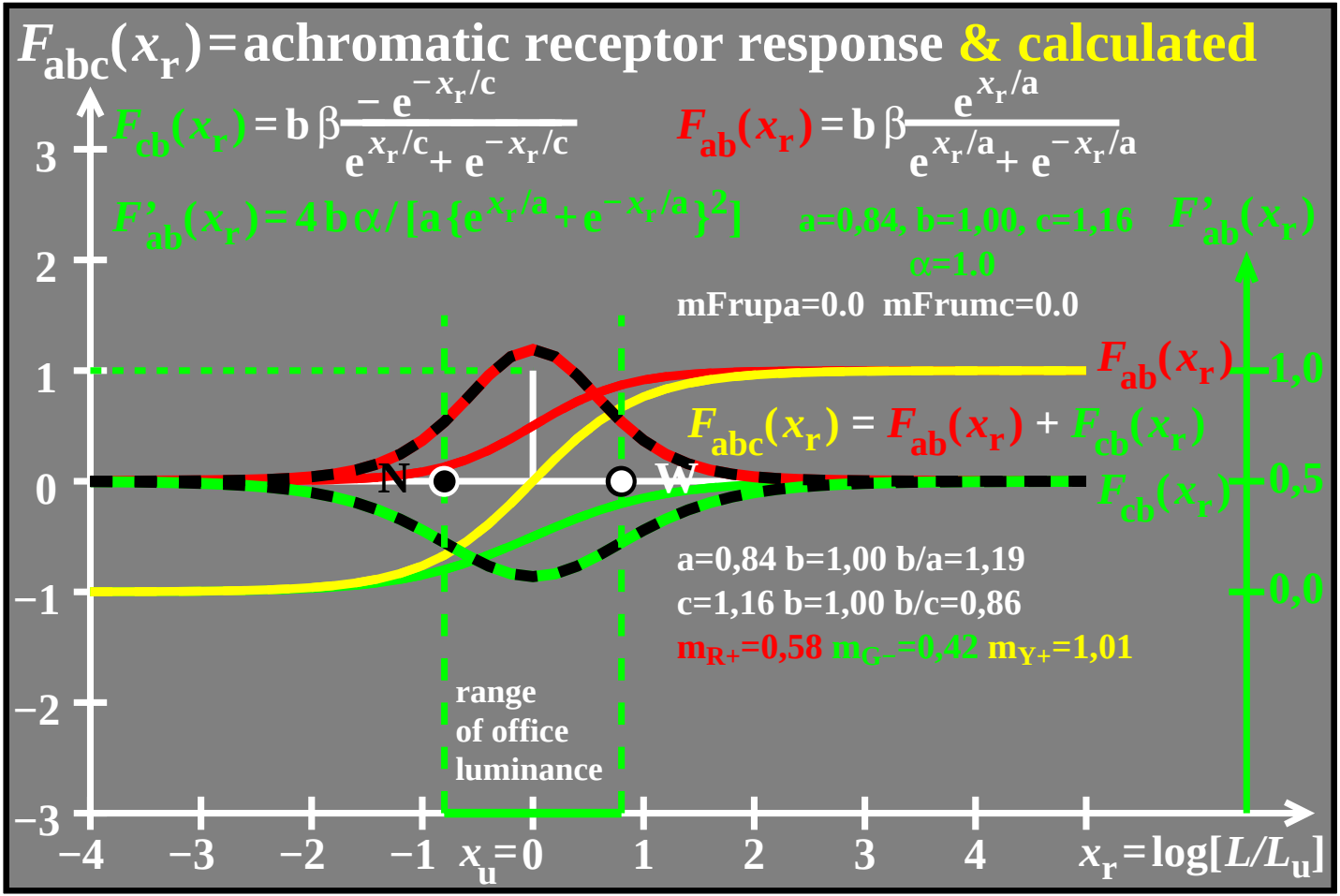
$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{cb}(x_r) = b\,\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\,\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F'_{ab}(x_r) = 4\,b\,\alpha / [a\{e^{x_r/a} + e^{-x_r/a}\}^2]$
a=0,84, b=1,00, c=1,16
α=1,0
mFrupa=0.0 mFrumc=0.0
$F'_{ab}(x_r)$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{cb}(x_r)$
$F_{cb}(x_r)$
N
W
a=0,84 b=1,00 b/a=1,19
c=1,16 b=1,00 b/c=0,86
m_{R+}=0,58 m_{G-}=0,42 m_{Y+}=1,01
range
of office
luminance
3
2
1
0
−1
−2
−3
1,0
0,5
0,0
−4
−3
−2
−1
$x_u = 0$
1
2
3
4
$x_r = \log[L/L_u]$

een90−7a