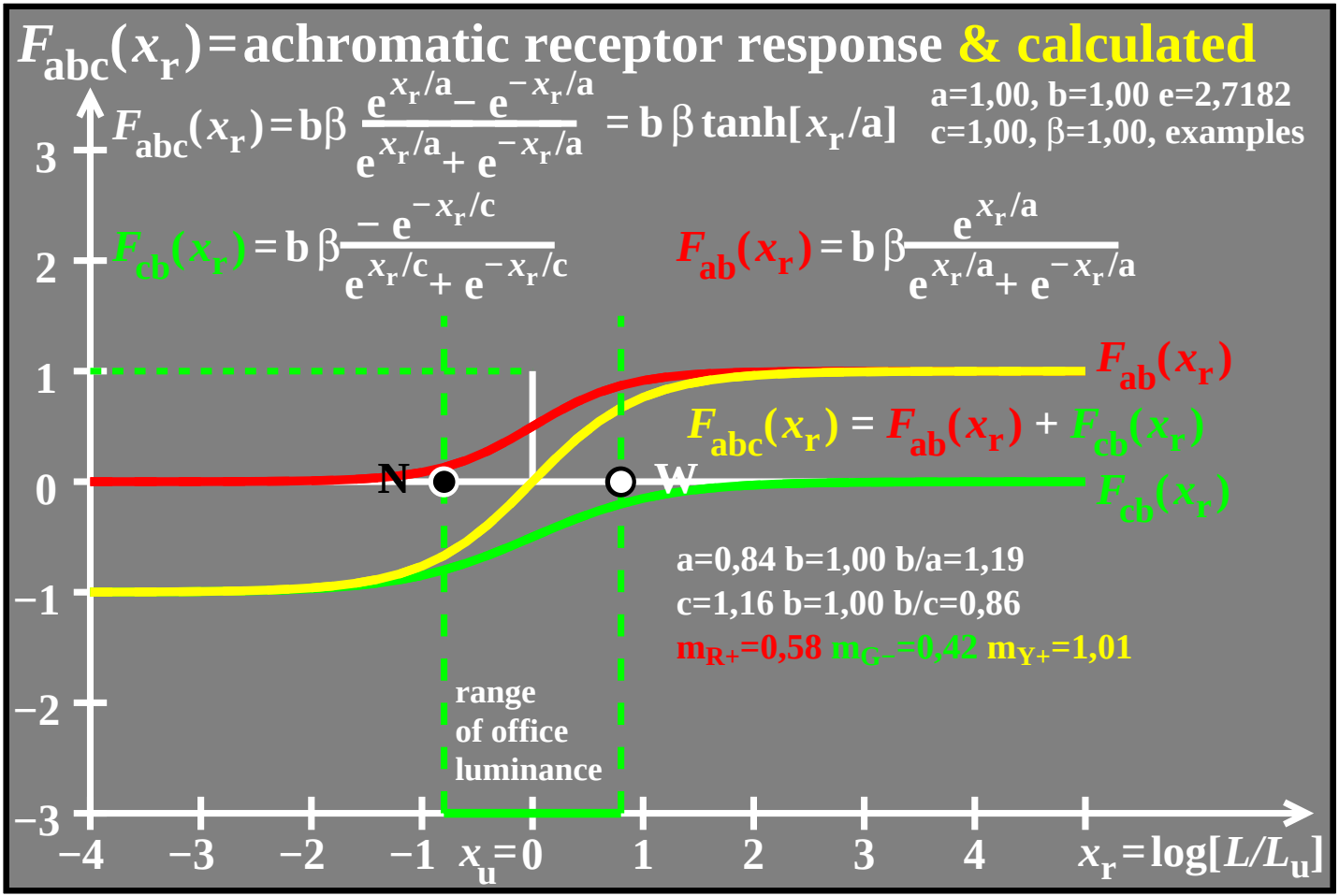
$F_{abc}(x_r)$ = achromatic receptor response & calculated
$F_{abc}(x_r) = b\beta \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b\,\beta\,\tanh[x_r/a]$
a=1,00, b=1,00 e=2,7182
c=1,00, β=1,00, examples
$F_{cb}(x_r) = b\beta \frac{-e^{-x_r/c}}{e^{x_r/c} + e^{-x_r/c}}$
$F_{ab}(x_r) = b\beta \frac{e^{x_r/a}}{e^{x_r/a} + e^{-x_r/a}}$
$F_{ab}(x_r)$
$F_{abc}(x_r) = F_{ab}(x_r) + F_{cb}(x_r)$
$F_{cb}(x_r)$
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
−4
−3
−2
−1
$x_u$=0
1
2
3
4
$x_r = \log[L/L_u]$