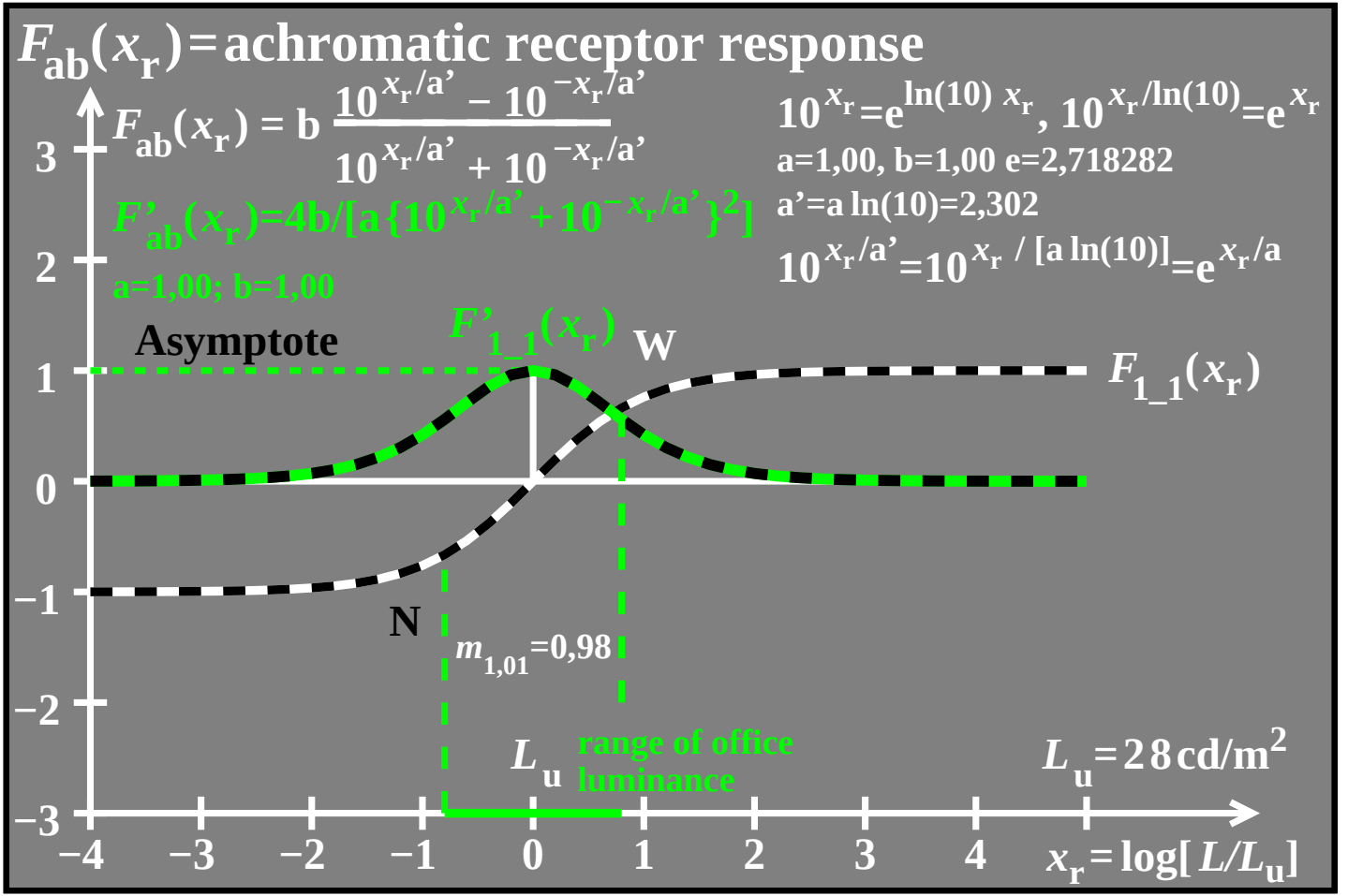
$F_{ab}(x_r)$ = achromatic receptor response
$F_{ab}(x_r) = b\,\frac{10^{x_r/a'} - 10^{-x_r/a'}}{10^{x_r/a'} + 10^{-x_r/a'}}$
$10^{x_r} = e^{\ln(10)\,x_r}$, $10^{x_r/\ln(10)} = e^{x_r}$
a=1,00, b=1,00 e=2,718282
a'=a ln(10)=2,302
$10^{x_r/a'} = 10^{x_r\,/\,[a\ln(10)]} = e^{x_r/a}$
$F'_{ab}(x_r) = 4b/[a\{10^{x_r/a'} + 10^{-x_r/a'}\}^2]$
a=1,00; b=1,00
Asymptote
$F'_{1_1}(x_r)$
W
$F_{1_1}(x_r)$
N
$m_{1,01}$=0,98
L_u
range of office luminance
L_u=28 cd/m^2
$x_r = \log[L/L_u]$
3
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4

DEA11−7N