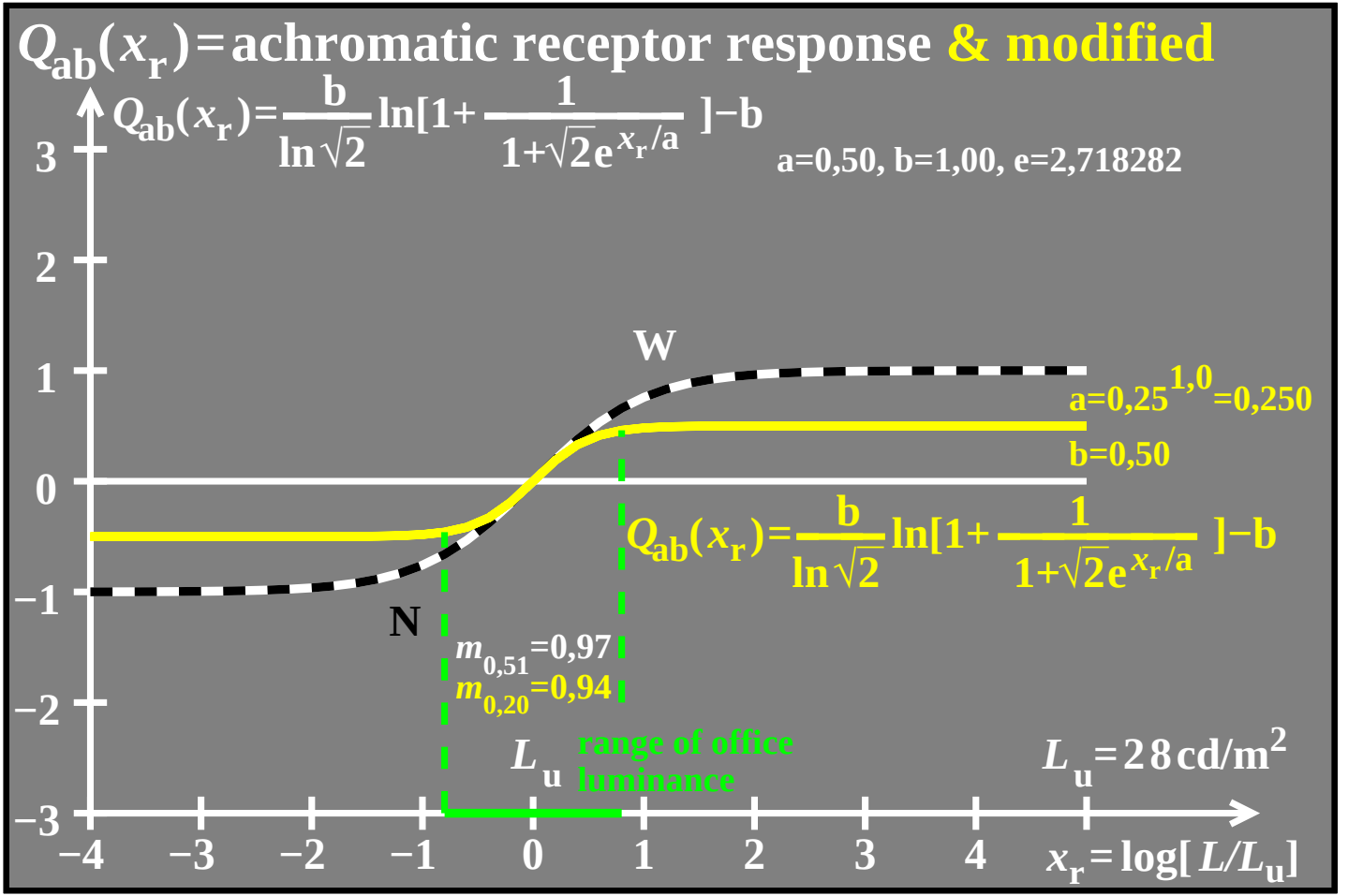
$Q_{ab}(x_r)$ = achromatic receptor response & modified
$Q_{ab}(x_r)=\frac{b}{\ln\sqrt{2}}\ln[1+\frac{1}{1+\sqrt{2}e^{x_r/a}}]-b$
a=0,50, b=1,00, e=2,718282
W
N
a=0,25 1,0 =0,250
b=0,50
$Q_{ab}(x_r)=\frac{b}{\ln\sqrt{2}}\ln[1+\frac{1}{1+\sqrt{2}e^{x_r/a}}]-b$
$m_{0,51}$=0,97
$m_{0,20}$=0,94
L_u range 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

DEB10−8A