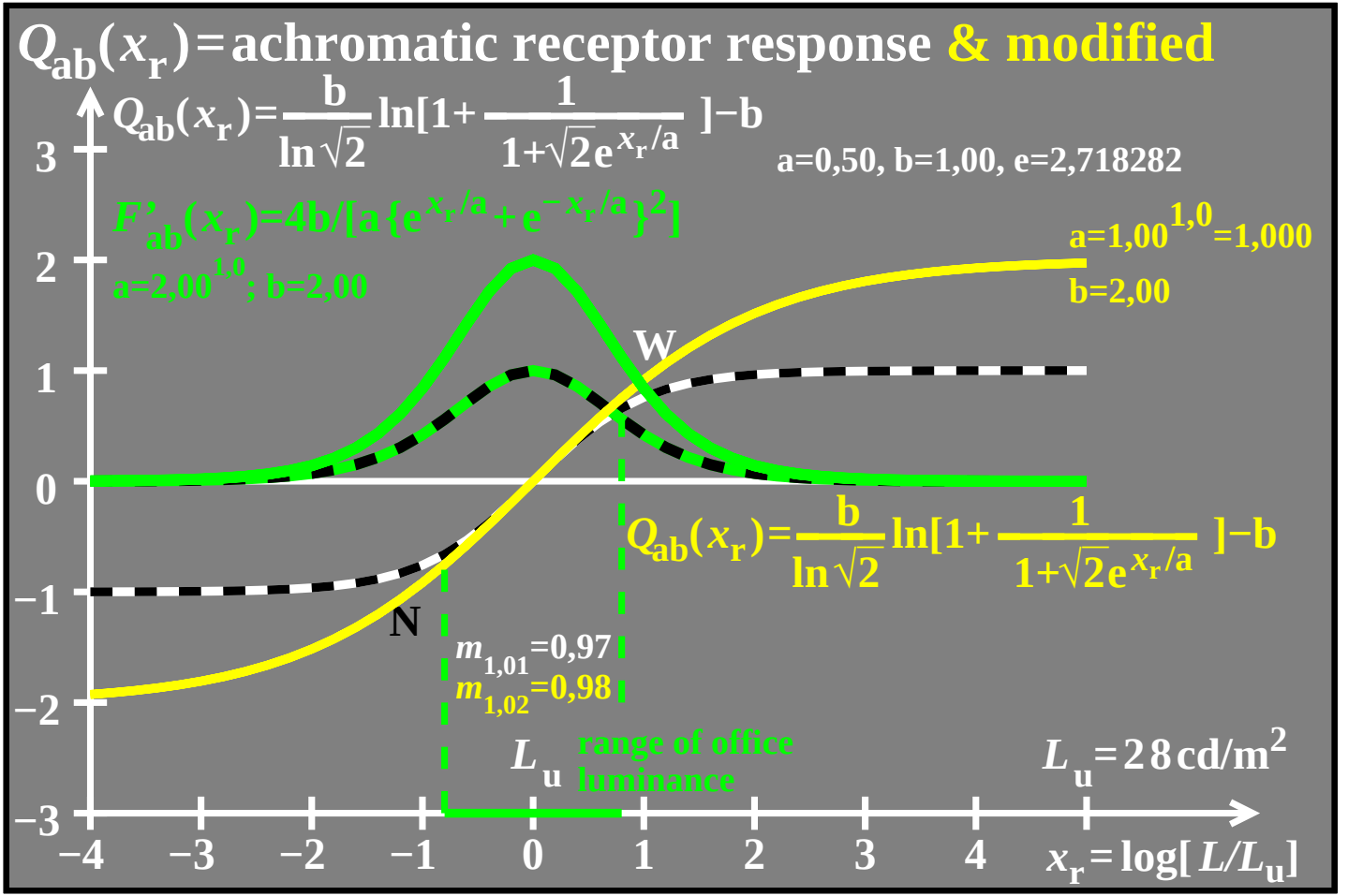
$Q_{ab}(x_r)$ = achromatic receptor response & modified
$Q_{ab}(x_r)=\frac{b}{\ln\sqrt{2}}\ln[1+\frac{1}{1+\sqrt{2}e^{x_r/a}}]-b$
a=0,50, b=1,00, e=2,718282
$F'_{ab}(x_r)=4b/[a\{e^{x_r/a}+e^{-x_r/a}\}^2]$
a=2,00^{1,0}; b=2,00
a=1,00^{1,0}=1,000
b=2,00
W
N
$Q_{ab}(x_r)=\frac{b}{\ln\sqrt{2}}\ln[1+\frac{1}{1+\sqrt{2}e^{x_r/a}}]-b$
$m_{1,01}$=0,97
$m_{1,02}$=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

DEB40−5A