

log ΔL luminance difference threshold • $L_g = 63 \text{cd/m}^2$

2 02 0,1&26s Y 63cd/m²; pot3

$$\Delta L = A_4 [A_1 + A_3 \cdot L]^t$$

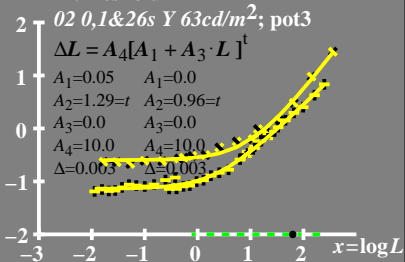
$$A_1 = 0.05 \quad A_1 = 0.0$$

$$A_2 = 1.29 = t \quad A_2 = 0.96 = t$$

$$A_3 = 0.0 \quad A_3 = 0.0$$

$$A_4 = 10.0 \quad A_4 = 10.0$$

$$\Delta = 0.003 \quad \Delta = 0.003$$



$\log(L/\Delta L)$ luminance contrast sensitivity threshold $\bullet L_g = 63 \text{ cd/m}^2$

02 0,1&26s Y 63cd/m²; pot3

$$\log(L/\Delta L) = L / [A_1 + (A_2 + A_3 \cdot L)^t]$$

$$A_1 = 0.05$$

$$A_1 = 0.96$$

$$A_2 = 1.29 = t$$

$$A_2 = 0.96 = t$$

$$A_3 = 0.0$$

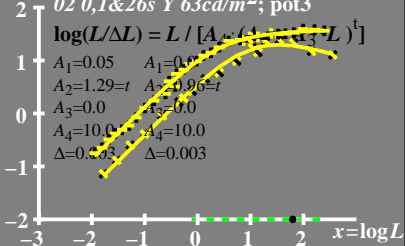
$$A_3 = 0.0$$

$$A_4 = 10.0$$

$$A_4 = 10.0$$

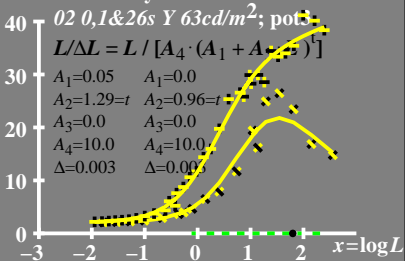
$$\Delta = 0.003$$

$$\Delta = 0.003$$



$L/\Delta L$ luminance contrast sensitivity threshold

● $L_g = 63 \text{ cd/m}^2$



T^* luminance difference
threshold sum

• $L_g = 63 \text{ cd/m}^2$

80 $02\ 0,1\&26s\ Y\ 63\text{cd/m}^2; \text{pot3}$

$$T^* = A_4[A_1 + A \cdot L^t - 1]$$

60 $A_1=0.05$ $A_1=0.0$

$A_2=1.29=t$ $A_2=0.96=t$

40 $A_3=0.0$ $A_3=0.0$

$A_4=10.0$ $A_4=10.0$

$\Delta=0.003$ $\Delta=0.003$

20

0

-3 -2 -1 0 1 2 $x = \log L$