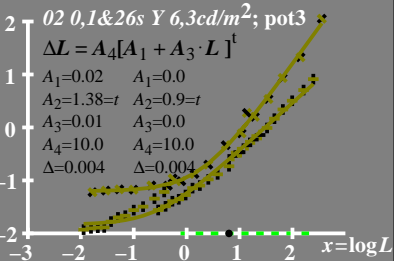


log ΔL luminance difference threshold $\bullet L_g=6,3\text{cd/m}^2$



$\log(L/\Delta L)$ luminance contrast sensitivity threshold $\bullet L_g=6,3\text{cd/m}^2$

02 0,1&26s Y 6,3cd/m²; pot3

$$\log(L/\Delta L) = L / [A_1 \cdot (L)^{A_2} + A_3 \cdot (L)^{A_4}]^{\Delta}$$

$$A_1=0.02$$

$$A_1=0.9$$

$$A_2=1.38=t$$

$$A_2=0.9=t$$

$$A_3=0.0$$

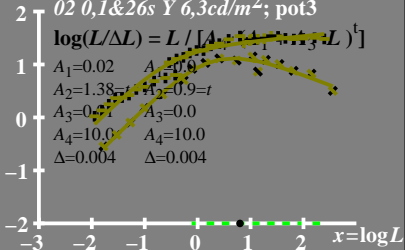
$$A_3=0.0$$

$$A_4=10.0$$

$$A_4=10.0$$

$$\Delta=0.004$$

$$\Delta=0.004$$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 6,3 \text{ cd/m}^2$

02 0,1&26s Y 6,3cd/m²; pot3

$$L/\Delta L = L / [A_4 \cdot (A_1 + A_3 \cdot L)^{A_2}]$$

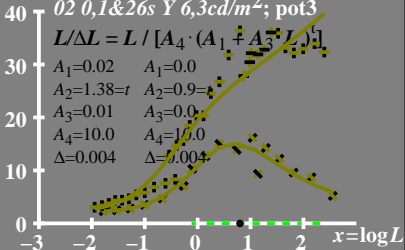
$$A_1 = 0.02 \quad A_1 = 0.0$$

$$A_2 = 1.38 = t \quad A_2 = 0.9 = t$$

$$A_3 = 0.01 \quad A_3 = 0.0$$

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

$$\Delta = 0.004 \quad \Delta = 0.004$$



T^* luminance difference
threshold sum

• $L_0 = 6,3 \text{cd/m}^2$

80 $0,2 \text{ } 0,1 \& 26 \text{s } Y \text{ } 6,3 \text{cd/m}^2$; pot 3

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

60 $A_1 = 0.02$ $A_1 = 0.0$

$A_2 = 1.38 = t$ $A_2 = 0.9 = t$

40 $A_3 = 0.01$ $A_3 = 0.0$

$A_4 = 10.0$ $A_4 = 10.0$

$\Delta = 0.004$ $\Delta = 0.004$

20

0

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