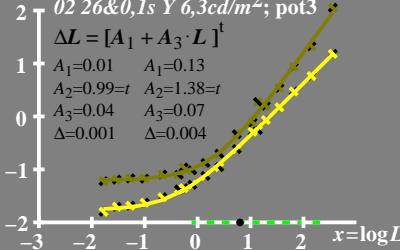


log ΔL luminance difference threshold $\bullet L_g=6,3\text{cd/m}^2$

02 26&0,1s Y 6,3cd/m²; pot3

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

$A_1=0.01$	$A_1=0.13$
$A_2=0.99=t$	$A_2=1.38=t$
$A_3=0.04$	$A_3=0.07$
$\Delta=0.001$	$\Delta=0.004$



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

02 26&0,1s Y 6,3cd/m²; pot3

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

$$A_1=0.01$$

$$A_1=0.45$$

$$A_2=0.99=t$$

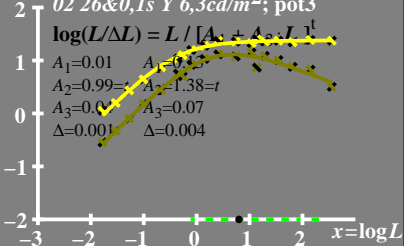
$$A_2=1.38=t$$

$$A_3=0.07$$

$$A_3=0.07$$

$$\Delta=0.001$$

$$\Delta=0.004$$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 6,3 \text{ cd/m}^2$

02 26 & 0,1s Y 6,3 cd/m^2 ; pot3

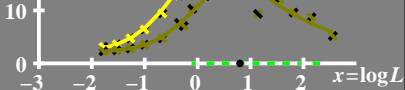
$$L/\Delta L = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.01 \quad A_1 = 0.13$$

$$A_2 = 0.99 = t \quad A_2 = 1.38 = t$$

$$A_3 = 0.04 \quad A_3 = 0.07$$

$$\Delta = 0.001 \quad \Delta = 0.004$$



T^* luminance difference
threshold sum

● $L_g = 6,3 \text{cd/m}^2$

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

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

60 $A_1 = 0.01 \quad A_1 = 0.13$

$A_2 = 0.99 = t \quad A_2 = 1.38 = t$

40 $A_3 = 0.04 \quad A_3 = 0.07$

$\Delta = 0.001 \quad \Delta = 0.004$

20

0

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