

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

2 *AD 26&0,1s G 6,3cd/m²; pot3*

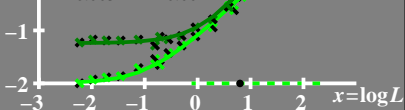
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1=0.0 \quad A_1=0.11$$

$$A_2=0.91=t \quad A_2=1.32=t$$

$$A_3=0.05 \quad A_3=0.08$$

$$\Delta=0.003 \quad \Delta=0.002$$



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

AD 26&0,1s G 6,3cd/m²; pot3

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

$$A_1=0.0$$

$$A_2=0.91$$

$$A_3=0.05$$

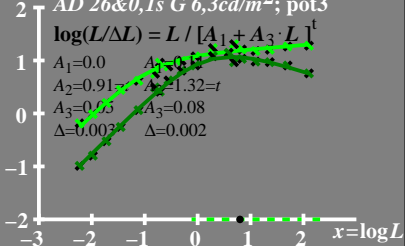
$$\Delta=0.003$$

$$A_1=0.17$$

$$A_2=1.32=t$$

$$A_3=0.08$$

$$\Delta=0.002$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 6,3 \text{ cd/m}^2$

AD 26&0,1s G 6,3cd/m²; pot3

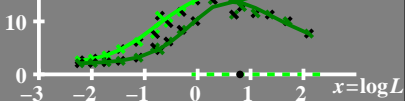
$$L/\Delta L = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.0 \quad A_1 = 0.11$$

$$A_2 = 0.91 = t \quad A_2 = 1.32 = t$$

$$A_3 = 0.05 \quad A_3 = 0.08$$

$$\Delta = 0.003 \quad \Delta = 0.002$$



T^* luminance difference
threshold sum

$L_g = 6,3 \text{ cd/m}^2$

80 $AD 26 \& 0,1s G 6,3 \text{ cd/m}^2; \text{ pot3}$

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

60 $A_1 = 0.0$ $A_1 = 0.11$

$A_2 = 0.91 = t$ $A_2 = 1.32 = t$

40 $A_3 = 0.05$ $A_3 = 0.08$

$\Delta = 0.003$ $\Delta = 0.002$

20

0

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