

log ΔL luminance difference
threshold

● $L_g = 6,3 \text{ cd/m}^2$

02 26s Y 6,3cd/m²; pot3

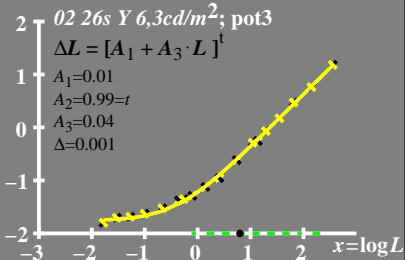
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.01$$

$$A_2 = 0.99 = t$$

$$A_3 = 0.04$$

$$\Delta = 0.001$$



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

02 26s Y 6,3cd/m²; pot3

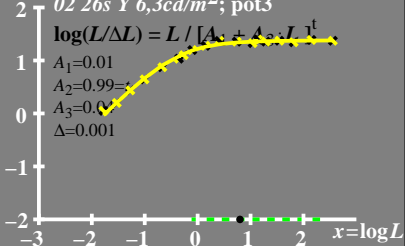
$$\log(L/\Delta L) = L / [A_1 + A_2 \cdot L + A_3 \cdot L^t]$$

$$A_1=0.01$$

$$A_2=0.99$$

$$A_3=0.01$$

$$\Delta=0.001$$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 6,3 \text{cd/m}^2$

02 26s Y 6,3cd/m²; pot3

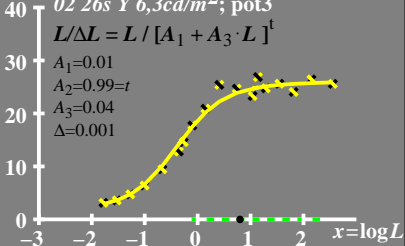
$$L/\Delta L = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.01$$

$$A_2 = 0.99 = t$$

$$A_3 = 0.04$$

$$\Delta = 0.001$$



T^* luminance difference
threshold sum

• $L_g = 6,3 \text{cd/m}^2$

80 02 26s Y 6,3cd/m²; pot3

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

60 $A_1 = 0.01$

$A_2 = 0.99 = t$

40 $A_3 = 0.04$

$\Delta = 0.001$

20

0

-3

-2

-1

0

1

2

$x = \log L$