

log ΔL luminance difference
threshold

● $L_g = 63 \text{ cd/m}^2$

04 0,1s A 63cd/m²; pot3

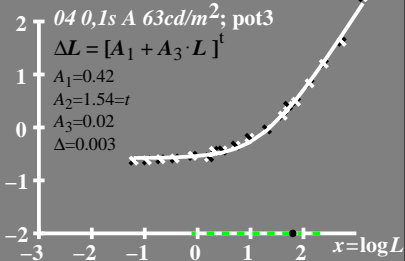
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.42$$

$$A_2 = 1.54 = t$$

$$A_3 = 0.02$$

$$\Delta = 0.003$$



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

04 0,1s A 63cd/m²; pot3

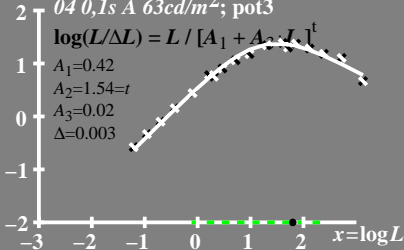
$$\log(L/\Delta L) = L / [A_1 + A_2 \cdot J \cdot I]^t$$

$A_1=0.42$

$A_2=1.54=t$

$A_3=0.02$

$\Delta=0.003$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 63 \text{ cd/m}^2$

04 0,1s A 63cd/m²; pot3

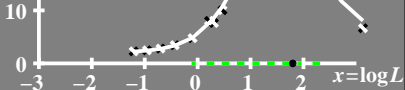
$$L/\Delta L = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.42$$

$$A_2 = 1.54 = t$$

$$A_3 = 0.02$$

$$\Delta = 0.003$$



T^* luminance difference
threshold sum

● $L_g = 63 \text{cd/m}^2$

80 $04 0,1s A 63 \text{cd/m}^2; \text{pot3}$

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

60 $A_1 = 0.42$

$A_2 = 1.54 = t$

40 $A_3 = 0.02$

$\Delta = 0.003$

20

0

-3

-2

-1

0

1

2

$x = \log L$