

log ΔL luminance difference threshold $\bullet L_g=630\text{cd/m}^2$

04 0,1s A 630 cd/m^2 ; pot3

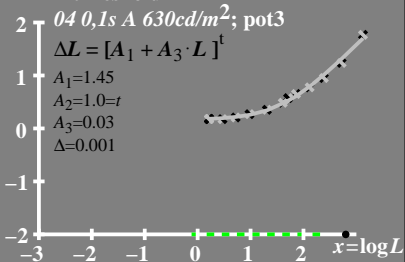
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1=1.45$$

$$A_2=1.0=t$$

$$A_3=0.03$$

$$\Delta=0.001$$



$\log(L/\Delta L)$ luminance contrast sensitivity threshold $\bullet L_g = 630 \text{ cd/m}^2$

04 0,1s A 630cd/m²; pot3

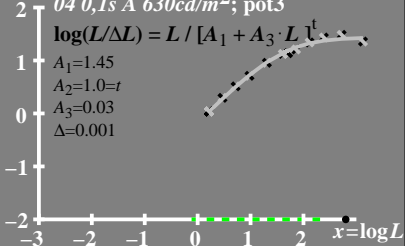
$$\log(L/\Delta L) = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 1.45$$

$$A_2 = 1.0 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.001$$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 630 \text{ cd/m}^2$

04 0,1s A 630 cd/m^2 ; pot3

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

$$A_1 = 1.45$$

$$A_2 = 1.0 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.001$$

40

30

20

10

0

-3

-2

-1

0

1

2

$x = \log L$

T^* luminance difference
threshold sum

• $L_g = 630 \text{ cd/m}^2$

80 $04 0,1s A 630 \text{ cd/m}^2$; pot3

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

60 $A_1 = 1.45$

$A_2 = 1.0 = t$

40 $A_3 = 0.03$

$\Delta = 0.001$

20

0

-3

-2

-1

0

1

2

$x = \log L$