

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

2 04 0,1&26s A 630cd/m²; pot3

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

1 $A_1=1.45$ $A_1=0.31$

$A_2=1.0=t$ $A_2=0.95=t$

0 $A_3=0.03$ $A_3=0.03$

$A_4=0.0$ $A_4=0.0$

$\Delta=0.001$ $\Delta=0.001$

-1

-2

-3

-2

-1

0

1

2

$x=\log L$

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

2 04 0,1&26s A 630cd/m²; pot3

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

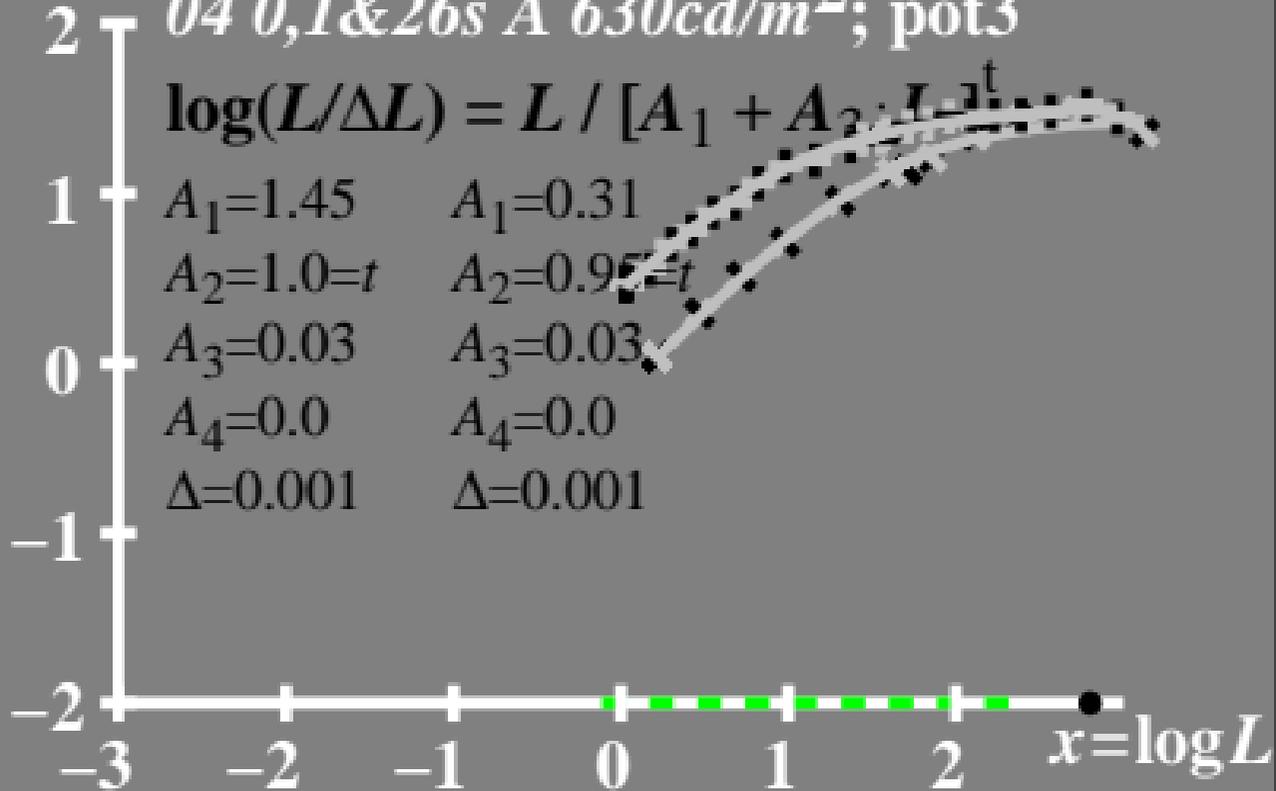
$$A_1=1.45 \quad A_1=0.31$$

$$A_2=1.0=t \quad A_2=0.95=t$$

$$A_3=0.03 \quad A_3=0.03$$

$$A_4=0.0 \quad A_4=0.0$$

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



$L/\Delta L$ luminance contrast sensitivity threshold

● $L_g = 630 \text{ cd/m}^2$

04 0,1&26s A 630 cd/m^2 ; pot3

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

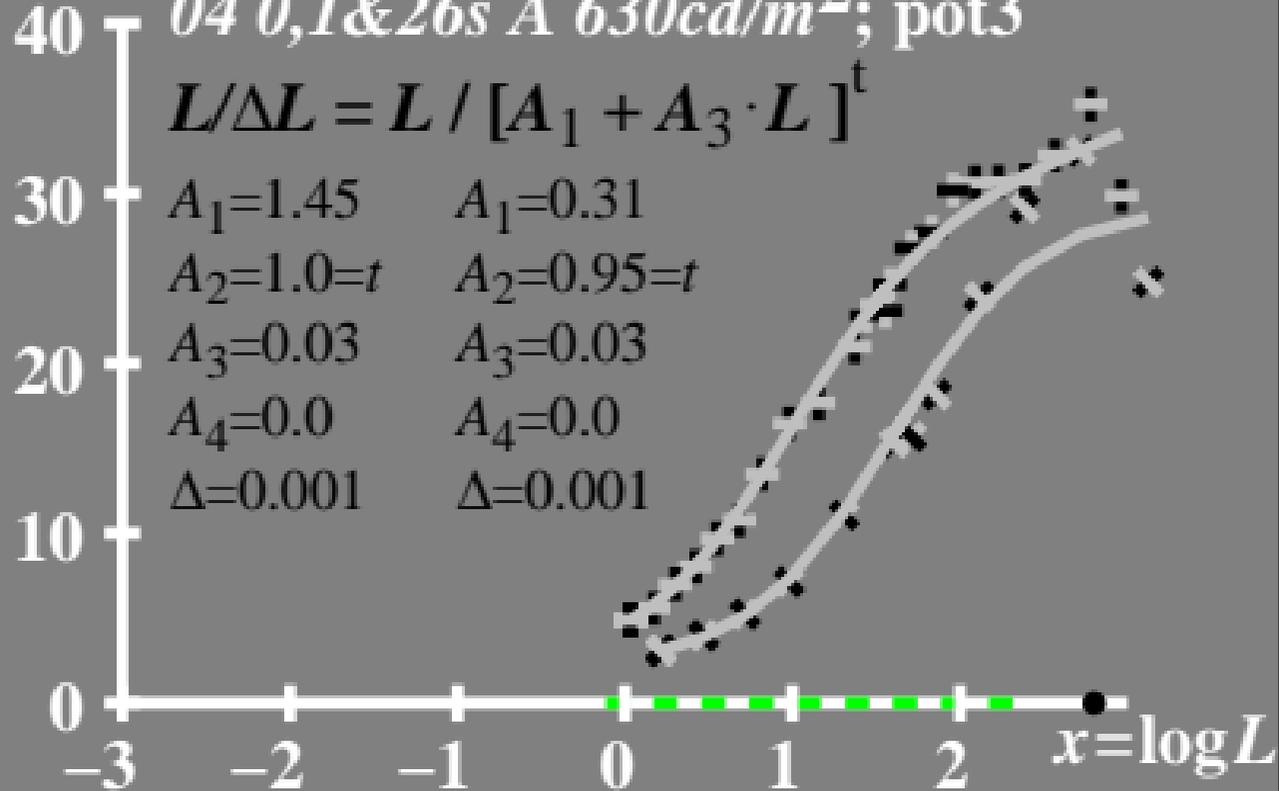
$$A_1 = 1.45 \quad A_1 = 0.31$$

$$A_2 = 1.0 = t \quad A_2 = 0.95 = t$$

$$A_3 = 0.03 \quad A_3 = 0.03$$

$$A_4 = 0.0 \quad A_4 = 0.0$$

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



T^* luminance difference
threshold sum

• $L_g = 630 \text{ cd/m}^2$

80 $04\ 0,1\ \&26s\ A\ 630\text{cd/m}^2; \text{ pot3}$

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

60 $A_1 = 1.45$ $A_1 = 0.31$

$A_2 = 1.0 = t$ $A_2 = 0.95 = t$

40 $A_3 = 0.03$ $A_3 = 0.03$

$A_4 = 0.0$ $A_4 = 0.0$

$\Delta = 0.001$ $\Delta = 0.001$

20

0

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