

log ΔL luminance difference threshold

• $L_g = 63 \text{ cd/m}^2$

• $L_g = 6,3 \text{ cd/m}^2$

02 26s Y 63 & 6,3 cd/m^2 ; hyp2

$$\Delta L = A_1 \cdot A_2 \cdot A_3 \cdot L^t / (L^t + A_2)^2$$

$$A_1 = 109.8 \quad A_1 = 188.1$$

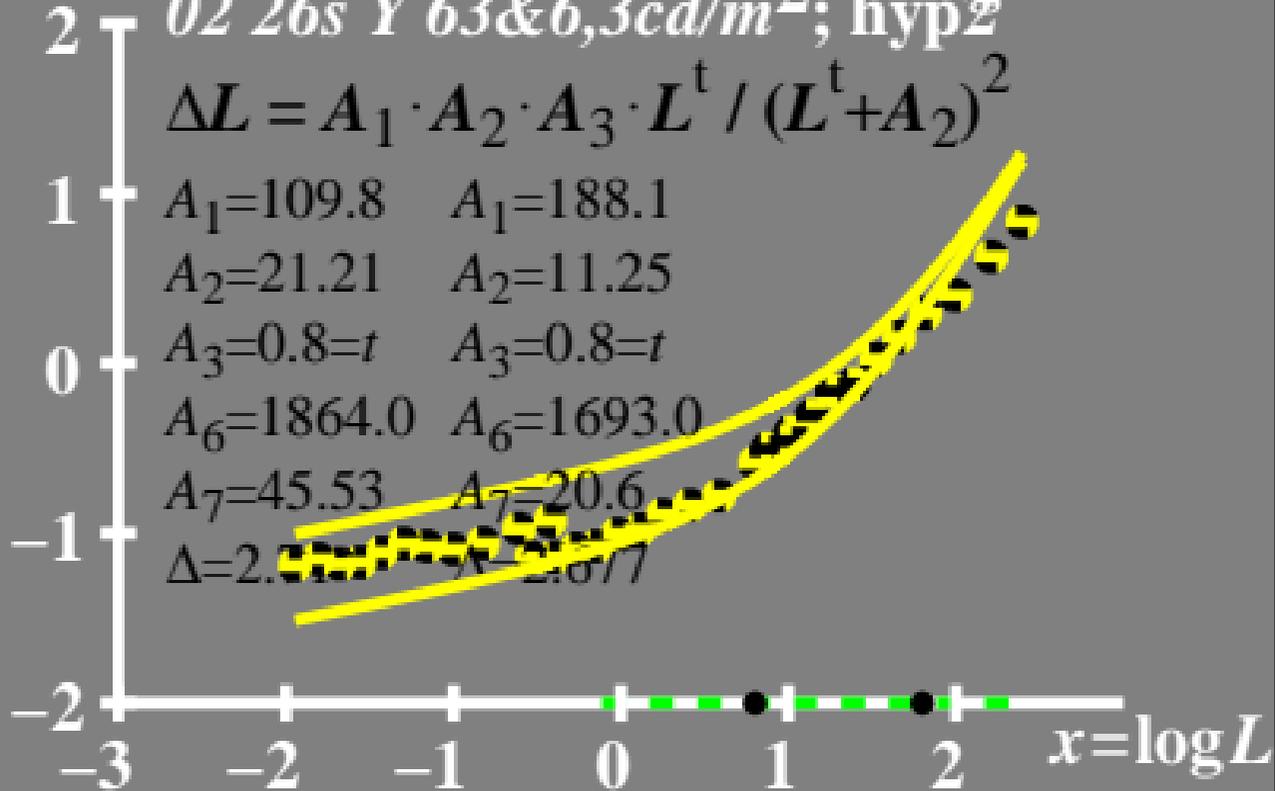
$$A_2 = 21.21 \quad A_2 = 11.25$$

$$A_3 = 0.8 = t \quad A_3 = 0.8 = t$$

$$A_6 = 1864.0 \quad A_6 = 1693.0$$

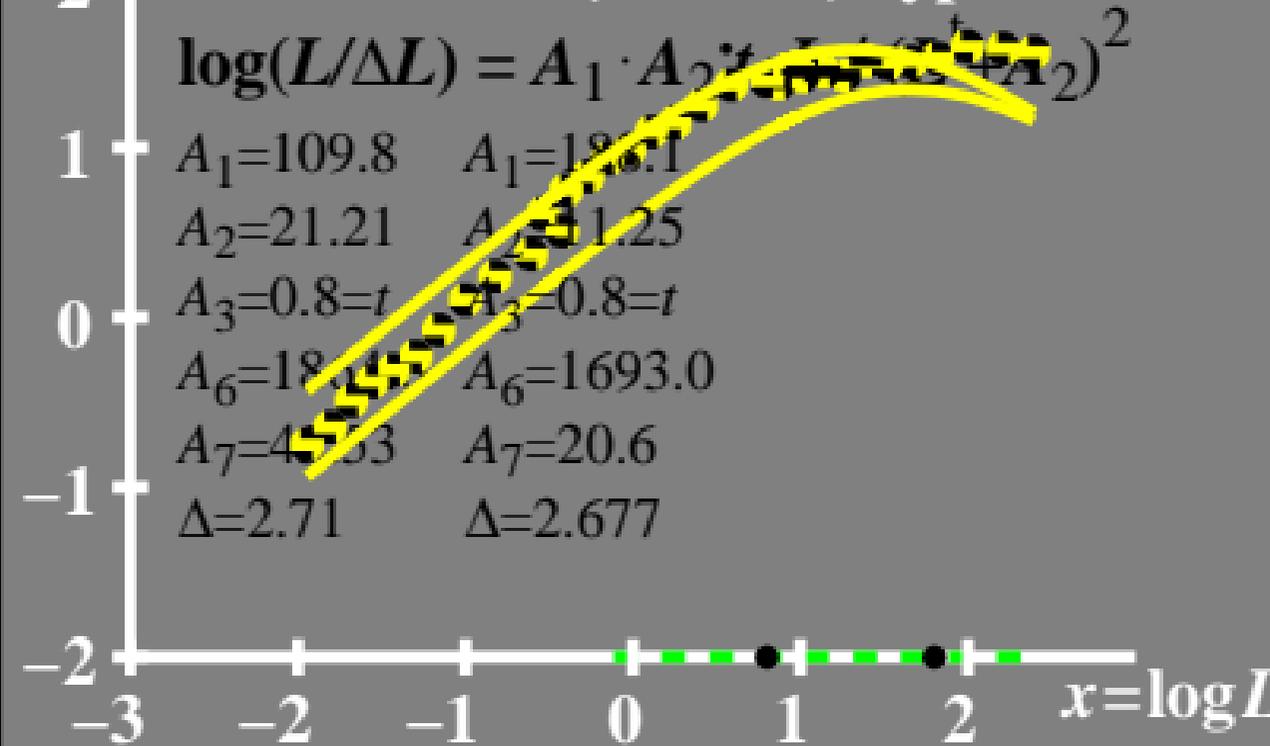
$$A_7 = 45.53 \quad A_7 = 20.6$$

$$\Delta = 2.017 \quad \Delta = 2.017$$



$\log(L/\Delta L)$ luminance contrast sensitivity threshold • $L_g = 63 \text{ cd/m}^2$
 • $L_g = 6,3 \text{ cd/m}^2$

$02\ 26s\ Y\ 63\ \&\ 6,3\ \text{cd/m}^2; \text{hyp}2$



$L/\Delta L$ luminance contrast sensitivity threshold

• $L_g=63\text{cd/m}^2$

• $L_g=6,3\text{cd/m}^2$

02 26s Y 63&6,3cd/m²: hyp

$$L/\Delta L = A_1 \cdot A_2 \cdot t \cdot L / (L^t + A_7)^2$$

$$A_1=109.8 \quad A_1=188.1$$

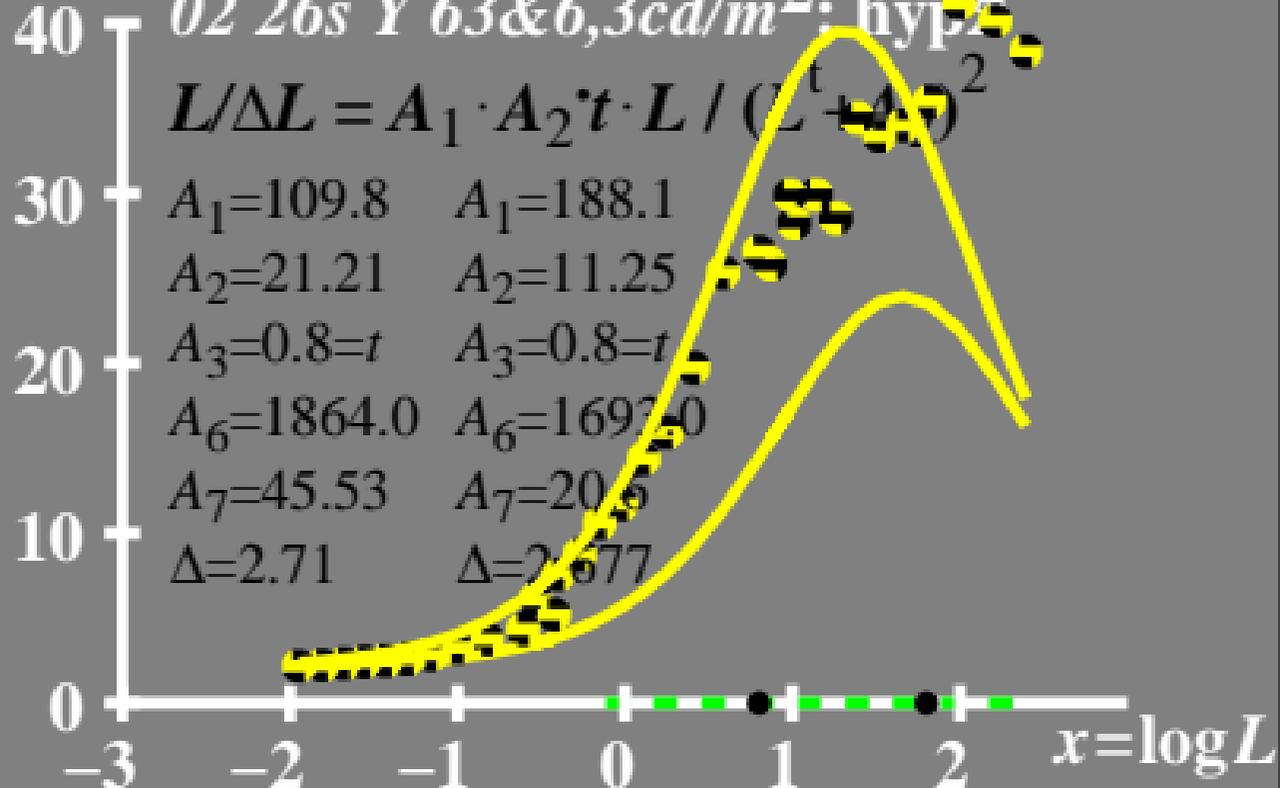
$$A_2=21.21 \quad A_2=11.25$$

$$A_3=0.8=t \quad A_3=0.8=t$$

$$A_6=1864.0 \quad A_6=1697.0$$

$$A_7=45.53 \quad A_7=20.6$$

$$\Delta=2.71 \quad \Delta=2.677$$



T^* luminance difference threshold sum

- $L_g = 63 \text{ cd/m}^2$
- $L_g = 6,3 \text{ cd/m}^2$

80

02 26s Y 63 & 6,3 cd/m²; hyp?

$$T^* = A_1 \cdot L^t / (L^t + A_2)$$

60

$A_1 = 109.8$ $A_1 = 188.1$

$A_2 = 21.21$ $A_2 = 11.25$

40

$A_3 = 0.8 = t$ $A_3 = 0.8 = t$

$A_6 = 1864.0$ $A_6 = 1693.0$

$A_7 = 45.53$ $A_7 = 20.6$

20

$\Delta = 2.71$ $\Delta = 2.677$

0

-3

-2

-1

0

1

2

$x = \log L$