

log ΔL luminance difference threshold • $L_g = 63 \text{ cd/m}^2$

AD 26s G 63cd/m²; hyp3

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

$$A_1 = 228.9$$

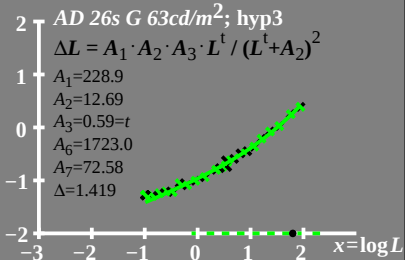
$$A_2 = 12.69$$

$$A_3 = 0.59 = t$$

$$A_6 = 1723.0$$

$$A_7 = 72.58$$

$$\Delta = 1.419$$



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

AD 26s G 63cd/m²; hyp3

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

$$A_1 = 228.9$$

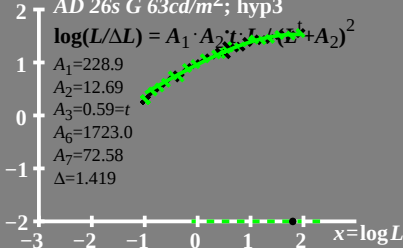
$$A_2 = 12.69$$

$$A_3 = 0.59 = t$$

$$A_6 = 1723.0$$

$$A_7 = 72.58$$

$$\Delta = 1.419$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 63 \text{ cd/m}^2$

AD 26s G 63cd/m²; hyp3

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

$$A_1 = 228.9$$

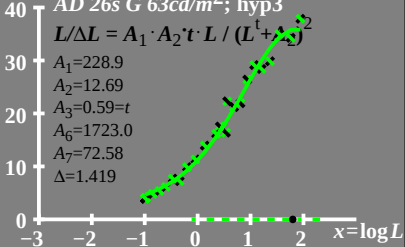
$$A_2 = 12.69$$

$$A_3 = 0.59 = t$$

$$A_6 = 1723.0$$

$$A_7 = 72.58$$

$$\Delta = 1.419$$



T^* luminance difference
threshold sum

● $L_g = 63 \text{ cd/m}^2$

80 $AD\ 26s\ G\ 63 \text{ cd/m}^2; \text{hyp3}$

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

60 $A_1 = 228.9$

$A_2 = 12.69$

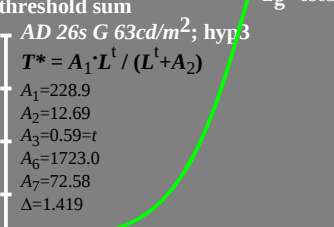
40 $A_3 = 0.59 = t$

$A_6 = 1723.0$

$A_7 = 72.58$

20 $\Delta = 1.419$

0 $x = \log L$



-3 -2 -1 0 1 2