

log ΔL luminance difference threshold • $L_g = 6,3 \text{ cd/m}^2$

AD 26s G 6,3cd/m²; hyp3

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

$$A_1 = 230.9$$

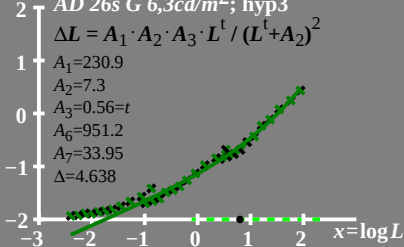
$$A_2 = 7.3$$

$$A_3 = 0.56 = t$$

$$A_6 = 951.2$$

$$A_7 = 33.95$$

$$\Delta = 4.638$$



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

AD 26s G 6,3cd/m²; hyp3

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

$$A_1=230.9$$

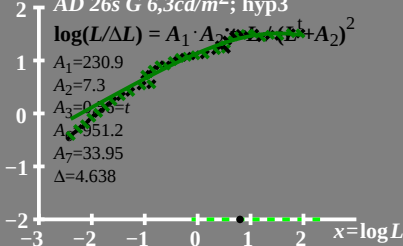
$$A_2=7.3$$

$$A_3=0.5=t$$

$$A_4=951.2$$

$$A_7=33.95$$

$$\Delta=4.638$$



$L/\Delta L$ luminance contrast sensitivity threshold

• $L_g = 6,3 \text{ cd/m}^2$

AD 26s G $6,3 \text{ cd/m}^2$; hyp3

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

$$A_1 = 230.9$$

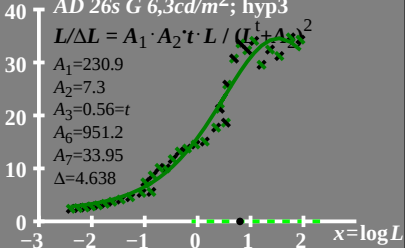
$$A_2 = 7.3$$

$$A_3 = 0.56 = t$$

$$A_6 = 951.2$$

$$A_7 = 33.95$$

$$\Delta = 4.638$$



T^* luminance difference
threshold sum

• $L_g = 6,3 \text{ cd/m}^2$

80 $AD\ 26s\ G\ 6,3 \text{ cd/m}^2; \text{ hyp3}$

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

60 $A_1 = 230.9$

$A_2 = 7.3$

40 $A_3 = 0.56 = t$

$A_6 = 951.2$

$A_7 = 33.95$

$\Delta = 4.638$

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