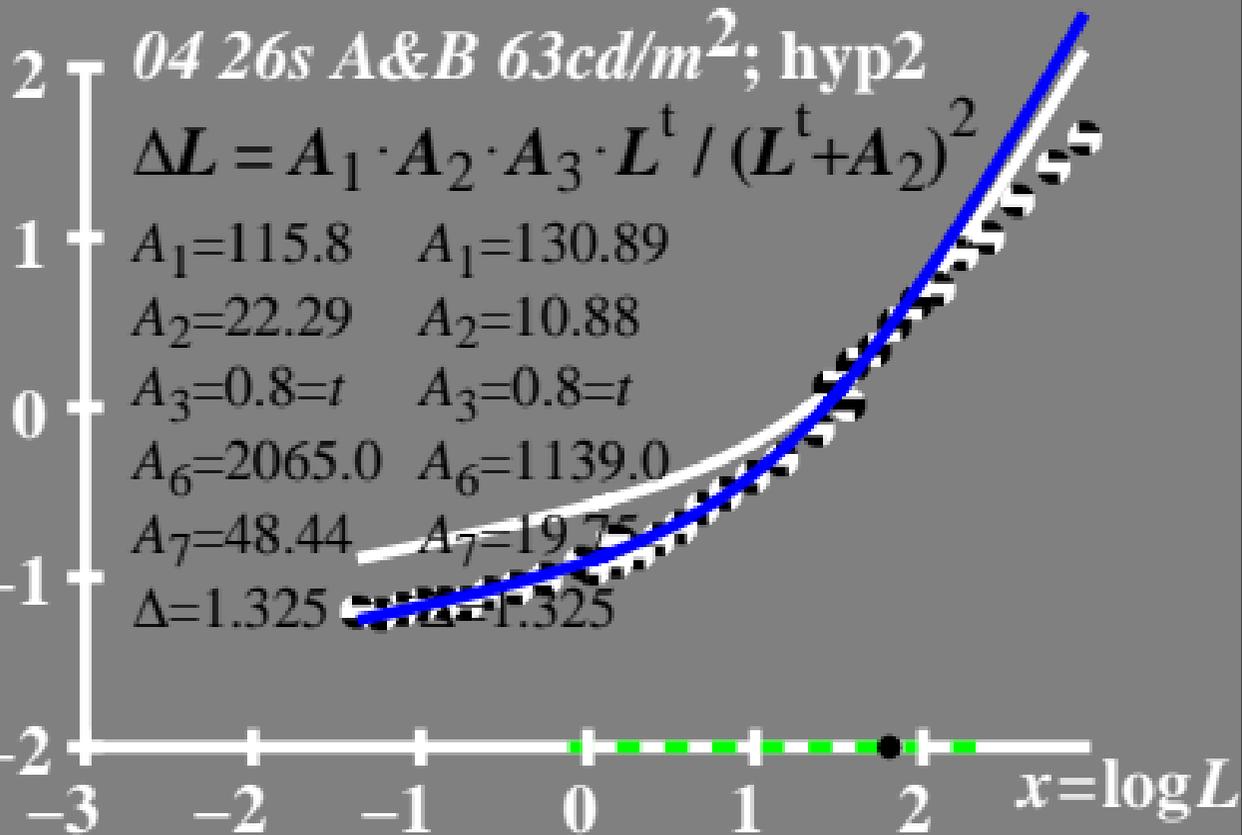


log ΔL luminance difference threshold • $L_g = 63 \text{ cd/m}^2$



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

04 26s A&B 63cd/m²; hyp2

$$\log(L/\Delta L) = A_1 \cdot A_2 \cdot t \cdot I \cdot (I^t + A_3)^{-2}$$

$$A_1=115.8 \quad A_1=139.59$$

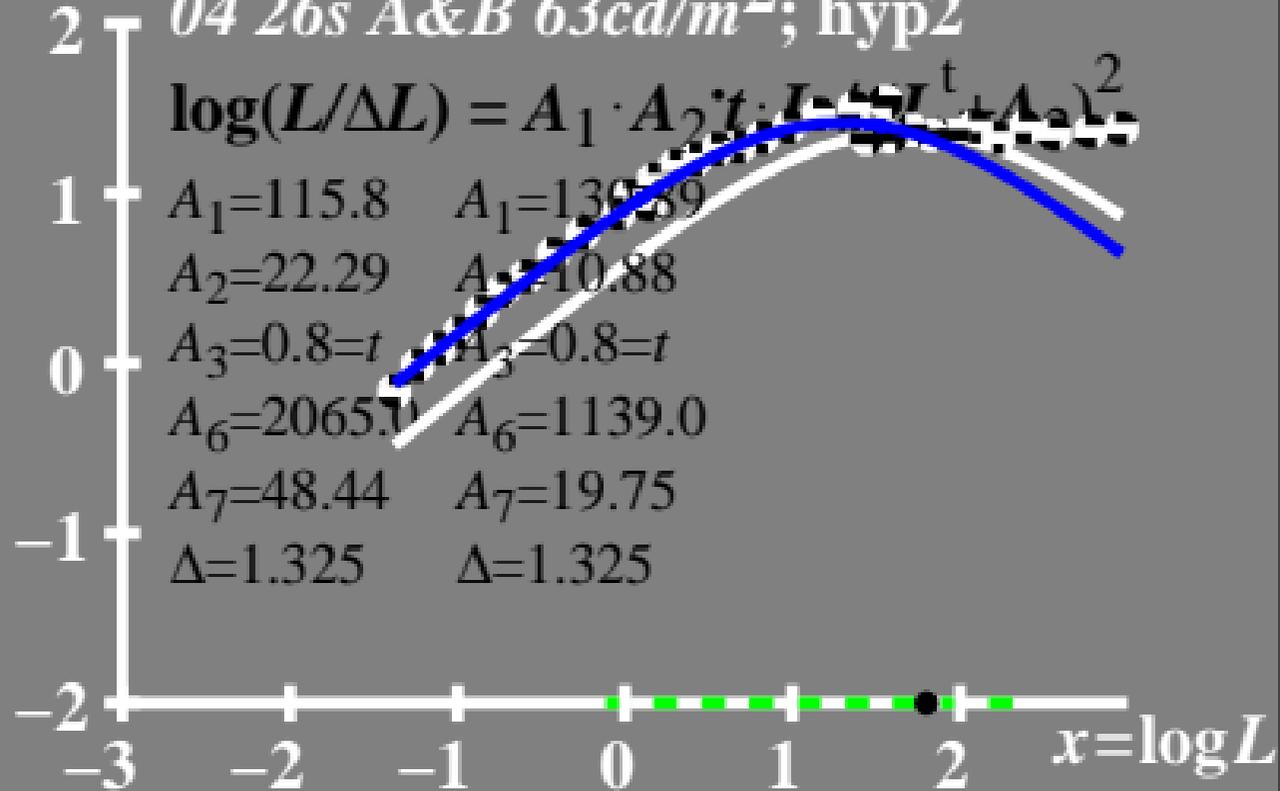
$$A_2=22.29 \quad A_2=10.88$$

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

$$A_6=2065.0 \quad A_6=1139.0$$

$$A_7=48.44 \quad A_7=19.75$$

$$\Delta=1.325 \quad \Delta=1.325$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 63 \text{cd/m}^2$

04 26s A&B 63cd/m^2 ; hyp2

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

$$A_1 = 115.8 \quad A_1 = 130.89$$

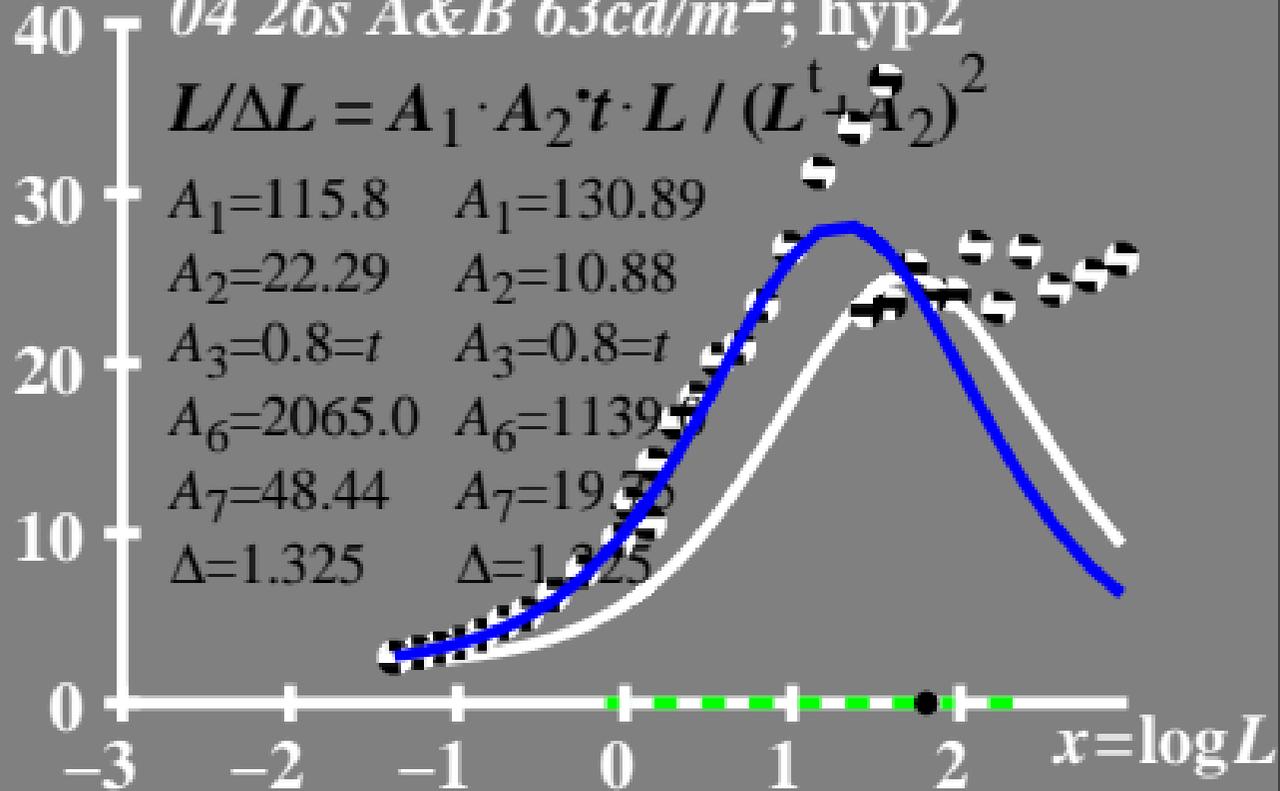
$$A_2 = 22.29 \quad A_2 = 10.88$$

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

$$A_6 = 2065.0 \quad A_6 = 1139.7$$

$$A_7 = 48.44 \quad A_7 = 19.75$$

$$\Delta = 1.325 \quad \Delta = 1.325$$



T^* luminance difference
threshold sum

● $L_g = 63 \text{cd/m}^2$

80 *04 26s A&B 63cd/m²; hyp2*

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

60 $A_1 = 115.8$ $A_1 = 130.89$

$A_2 = 22.29$ $A_2 = 10.88$

40 $A_3 = 0.8 = t$ $A_3 = 0.8 = t$

$A_6 = 2065.0$ $A_6 = 1139.0$

$A_7 = 48.44$ $A_7 = 19.75$

20 $\Delta = 1.325$ $\Delta = 1.325$

0 $x = \log L$



The graph plots the luminance difference threshold sum T^* on the y-axis (ranging from 0 to 80) against the logarithm of luminance $x = \log L$ on the x-axis (ranging from -3 to 2). Two curves are shown: a blue curve and a white curve. Both curves show an increasing trend of T^* as $\log L$ increases. A black dot is marked on the x-axis at $x = 2$, which corresponds to $L_g = 63 \text{cd/m}^2$. A green dashed line segment is drawn along the x-axis from $x = 0$ to $x = 2$.