

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

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

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

$$A_1 = 115.8 \quad A_1 = 168.3$$

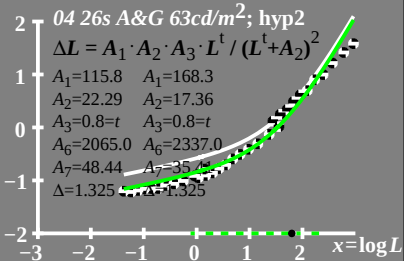
$$A_2 = 22.29 \quad A_2 = 17.36$$

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

$$A_6 = 2065.0 \quad A_6 = 2337.0$$

$$A_7 = 48.44 \quad A_7 = 35.41$$

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



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

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

$$\log(L/\Delta L) = A_1 \cdot A_2 \cdot t \cdot (A_3 \cdot L^t + A_6) \cdot A_7 \cdot A_8$$

$$A_1 = 115.8$$

$$A_1 = 168.5$$

$$A_2 = 22.29$$

$$A_2 = 17.36$$

$$A_3 = 0.8 = t$$

$$A_3 = 0.8 = t$$

$$A_6 = 2065.1$$

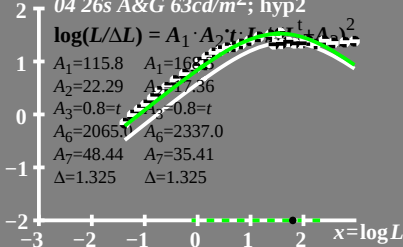
$$A_6 = 2337.0$$

$$A_7 = 48.44$$

$$A_7 = 35.41$$

$$\Delta = 1.325$$

$$\Delta = 1.325$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 63 \text{cd/m}^2$

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

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

$$A_1 = 115.8 \quad A_1 = 168.3$$

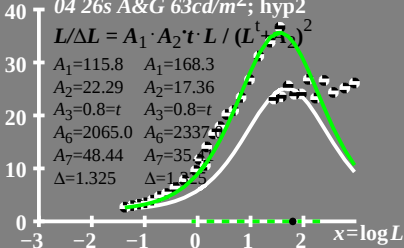
$$A_2 = 22.29 \quad A_2 = 17.36$$

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

$$A_6 = 2065.0 \quad A_6 = 2337.8$$

$$A_7 = 48.44 \quad A_7 = 35.44$$

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



T^* luminance difference
threshold sum

04 26s A&G 63cd/m²; hyp2

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

$$A_1 = 115.8 \quad A_1 = 168.3$$

$$A_2 = 22.29 \quad A_2 = 17.36$$

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

$$A_6 = 2065.0 \quad A_6 = 2337.0$$

$$A_7 = 48.44 \quad A_7 = 35.41$$

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

$$L_g = 63 \text{cd/m}^2$$

