

log ΔL luminance difference threshold • $L_g = 630 \text{ cd/m}^2$

04 26s A&R 630 cd/m^2 ; hyp2

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

$$A_1 = 143.7 \quad A_1 = 143.5$$

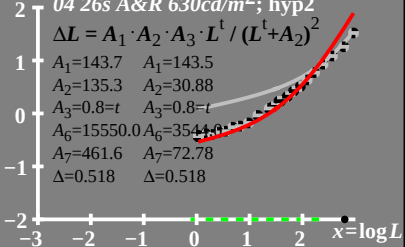
$$A_2 = 135.3 \quad A_2 = 30.88$$

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

$$A_6 = 15550.0 \quad A_6 = 3544.0$$

$$A_7 = 461.6 \quad A_7 = 72.78$$

$$\Delta = 0.518 \quad \Delta = 0.518$$



$\log(L/\Delta L)$ luminance contrast • $L_g = 630 \text{ cd/m}^2$
 sensitivity threshold

04 26s A&R 630 cd/m^2 ; hyp2

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

$$A_1 = 143.7 \quad A_1 = 143.5$$

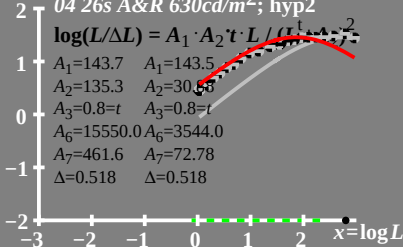
$$A_2 = 135.3 \quad A_2 = 30.68$$

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

$$A_6 = 15550.0 \quad A_6 = 3544.0$$

$$A_7 = 461.6 \quad A_7 = 72.78$$

$$\Delta = 0.518 \quad \Delta = 0.518$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 630 \text{ cd/m}^2$

04 26s A&R 630 cd/m^2 ; hyp2

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

$$A_1 = 143.7 \quad A_1 = 143.5$$

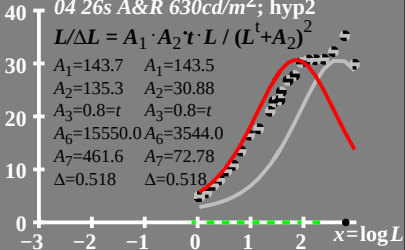
$$A_2 = 135.3 \quad A_2 = 30.88$$

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

$$A_6 = 15550.0 \quad A_6 = 3544.0$$

$$A_7 = 461.6 \quad A_7 = 72.78$$

$$\Delta = 0.518 \quad \Delta = 0.518$$



T^* luminance difference
threshold sum

• $L_8 = 630 \text{ cd/m}^2$

04 26s A&R 630 cd/m^2 ; hyp2

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

$$A_1 = 143.7 \quad A_1 = 143.5$$

$$A_2 = 135.3 \quad A_2 = 30.88$$

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

$$A_6 = 15550.0 \quad A_6 = 3544.0$$

$$A_7 = 461.6 \quad A_7 = 72.78$$

$$\Delta = 0.518 \quad \Delta = 0.518$$

