

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

02 0,1&26s Y 630cd/m²; hyp2

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

$$A_1 = 136.5 \quad A_1 = 183.2$$

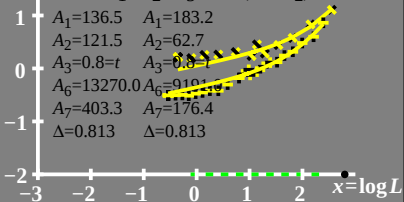
$$A_2 = 121.5 \quad A_2 = 62.7$$

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

$$A_6 = 13270.0 \quad A_6 = 9191.6$$

$$A_7 = 403.3 \quad A_7 = 176.4$$

$$\Delta = 0.813 \quad \Delta = 0.813$$



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

02 0,1&26s Y 630cd/m²; hyp2

$$\log(L/\Delta L) = A_1 \cdot A_2 \cdot t \cdot L / (A_3 \cdot A_4 \cdot A_5 \cdot A_6 \cdot A_7 \cdot \Delta)^2$$

$$A_1 = 136.5$$

$$A_1 = 183.2$$

$$A_2 = 121.5$$

$$A_2 = 62.7$$

$$A_3 = 0.8 = t$$

$$A_3 = 0.8 = t$$

$$A_6 = 13270.0$$

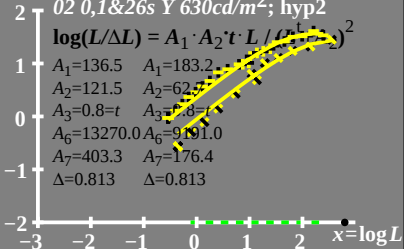
$$A_6 = 9191.0$$

$$A_7 = 403.3$$

$$A_7 = 176.4$$

$$\Delta = 0.813$$

$$\Delta = 0.813$$



$L/\Delta L$ luminance contrast sensitivity threshold

• $L_g = 630 \text{ cd/m}^2$

02 0,1&26s Y 630cd/m²; hyp2

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

$$A_1 = 136.5 \quad A_1 = 183.2$$

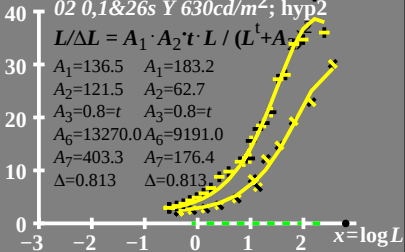
$$A_2 = 121.5 \quad A_2 = 62.7$$

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

$$A_6 = 13270.0 \quad A_6 = 9191.0$$

$$A_7 = 403.3 \quad A_7 = 176.4$$

$$\Delta = 0.813 \quad \Delta = 0.813$$



T^* luminance difference
threshold sum

• $L_g = 630 \text{ cd/m}^2$

02 0,1&26s Y 630cd/m²; hyp2

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

$$A_1 = 136.5 \quad A_1 = 183.2$$

$$A_2 = 121.5 \quad A_2 = 62.7$$

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

$$A_6 = 13270.0 \quad A_6 = 9191.0$$

$$A_7 = 403.3 \quad A_7 = 176.4$$

$$\Delta = 0.813 \quad \Delta = 0.813$$

