

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

04 26s A&G 63 cd/m^2 ; hyp3

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

$$A_1 = 209.4 \quad A_1 = 228.9$$

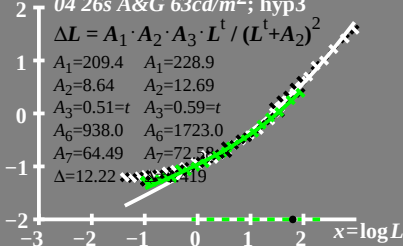
$$A_2 = 8.64 \quad A_2 = 12.69$$

$$A_3 = 0.51 = t \quad A_3 = 0.59 = t$$

$$A_6 = 938.0 \quad A_6 = 1723.0$$

$$A_7 = 64.49 \quad A_7 = 72.58$$

$$\Delta = 12.22 \quad \Delta = 14.19$$



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

04 26s A&G 63 cd/m^2 ; hyp3

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

$$A_1 = 209.4$$

$$A_1 = 228.9$$

$$A_2 = 8.64$$

$$A_2 = 12.69$$

$$A_3 = 0.51 = t$$

$$A_3 = 0.59 = t$$

$$A_6 = 938.0$$

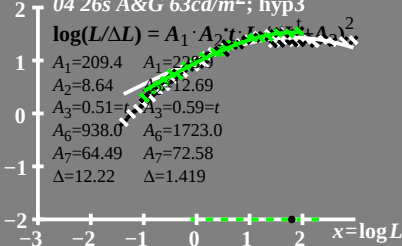
$$A_6 = 1723.0$$

$$A_7 = 64.49$$

$$A_7 = 72.58$$

$$\Delta = 12.22$$

$$\Delta = 1.419$$



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

04 26s A&G 63 cd/m^2 ; hyp3

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

$$A_1 = 209.4 \quad A_1 = 228.9$$

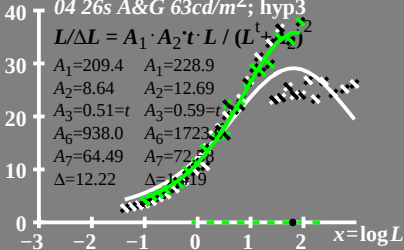
$$A_2 = 8.64 \quad A_2 = 12.69$$

$$A_3 = 0.51 = t \quad A_3 = 0.59 = t$$

$$A_6 = 938.0 \quad A_6 = 1723.5$$

$$A_7 = 64.49 \quad A_7 = 72.58$$

$$\Delta = 12.22 \quad \Delta = 1.019$$



T^* luminance difference
threshold sum

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

04 26s A&G 63 cd/m^2 ; hyp3

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

$$A_1 = 209.4 \quad A_1 = 228.9$$

$$A_2 = 8.64 \quad A_2 = 12.69$$

$$A_3 = 0.51 = t \quad A_3 = 0.59 = t$$

$$A_6 = 938.0 \quad A_6 = 1723.0$$

$$A_7 = 64.49 \quad A_7 = 72.55$$

$$\Delta = 12.22 \quad \Delta = 1.419$$

