

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

04 26s A&G 63 cd/m^2 ; pot3

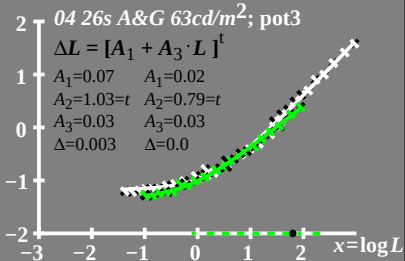
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.07 \quad A_1 = 0.02$$

$$A_2 = 1.03 = t \quad A_2 = 0.79 = t$$

$$A_3 = 0.03 \quad A_3 = 0.03$$

$$\Delta = 0.003 \quad \Delta = 0.0$$



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

04 26s A&G 63cd/m²; pot3

$$\log(L/\Delta L) = L / [A_1 + A_2 + A_3 + t]$$

$$A_1 = 0.07$$

$$A_1 = 0.07$$

$$A_2 = 1.03 = t$$

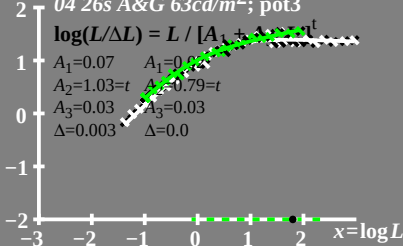
$$A_2 = 0.79 = t$$

$$A_3 = 0.03$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$

$$\Delta = 0.0$$



$L/\Delta L$ luminance contrast sensitivity threshold

● $L_g = 63 \text{ cd/m}^2$

04 26s A&G 63 cd/m^2 ; pot3

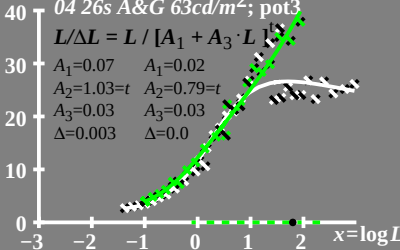
$$L/\Delta L = L / [A_1 + A_3 \cdot L^t]$$

$$A_1 = 0.07 \quad A_1 = 0.02$$

$$A_2 = 1.03 = t \quad A_2 = 0.79 = t$$

$$A_3 = 0.03 \quad A_3 = 0.03$$

$$\Delta = 0.003 \quad \Delta = 0.0$$



T^* luminance difference
threshold sum

• $L_g = 63 \text{cd/m}^2$

04 26s A&G 63cd/m^2 ; pot3

$$T^* = [A_1 + A \cdot L]^t - 1$$

$$A_1 = 0.07 \quad A_1 = 0.02$$

$$A_2 = 1.03 = t \quad A_2 = 0.79 = t$$

$$A_3 = 0.03 \quad A_3 = 0.03$$

$$\Delta = 0.003 \quad \Delta = 0.0$$

80
60
40
20
0

-3

-2

-1

0

1

2

$x = \log L$