

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

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

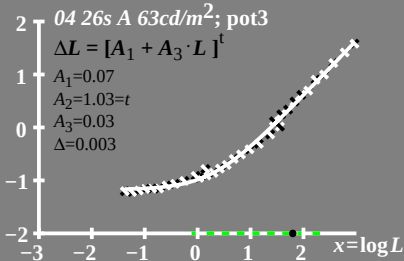
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.07$$

$$A_2 = 1.03 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$



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

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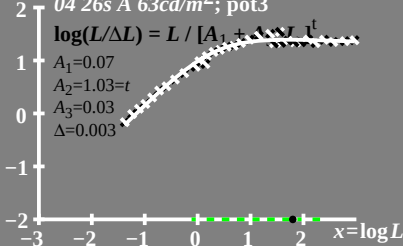
$$\log(L/\Delta L) = L / [A_1 + A_2 J_1^t]$$

$$A_1 = 0.07$$

$$A_2 = 1.03 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$



$L/\Delta L$ luminance contrast
sensitivity threshold

• $L_g = 63 \text{ cd/m}^2$

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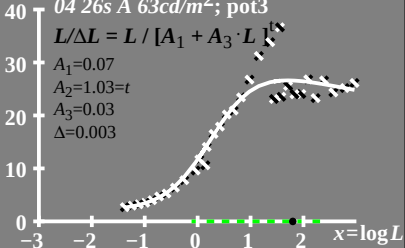
$$L/\Delta L = L / [A_1 + A_3 \cdot L^t]$$

$$A_1 = 0.07$$

$$A_2 = 1.03 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$



T^* luminance difference
threshold sum

• $L_g = 63 \text{cd/m}^2$

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

$$A_1 = 0.07$$

$$A_2 = 1.03 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$

80

60

40

20

0

-3

-2

-1

0

1

2

$x = \log L$