

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

02 0,1s Y 63cd/m²; pot3

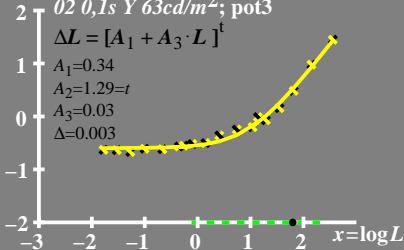
$$\Delta L = [A_1 + A_3 \cdot L]^t$$

$$A_1=0.34$$

$$A_2=1.29=t$$

$$A_3=0.03$$

$$\Delta=0.003$$



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

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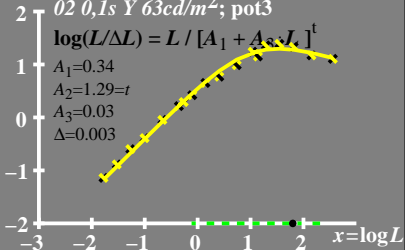
$$\log(L/\Delta L) = L / [A_1 + A_2 \cdot L^t]$$

$$A_1 = 0.34$$

$$A_2 = 1.29 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$



$L/\Delta L$ luminance contrast
sensitivity threshold

● $L_g = 63 \text{cd/m}^2$

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

$$A_1 = 0.34$$

$$A_2 = 1.29 = t$$

$$A_3 = 0.03$$

$$\Delta = 0.003$$

40

30

20

10

0

-3

-2

-1

0

1

2

$x = \log L$

T^* luminance difference
threshold sum

• $L_g = 63 \text{cd/m}^2$

80 02 0,1s Y 63cd/m²; pot3

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

60 $A_1 = 0.34$

$A_2 = 1.29 = t$

40 $A_3 = 0.03$

$\Delta = 0.003$

20

0

-3

-2

-1

0

1

2

$x = \log L$