

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

2 *02 0,1s R 630cd/m²; pot3*

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

1 $A_1=0.95$

$A_2=1.31=t$

0 $A_3=0.02$

$\Delta=0.0$

-1

-2

-3

-2

-1

0

1

2

$x=\log L$

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

02 0,1s R 630cd/m²; pot3

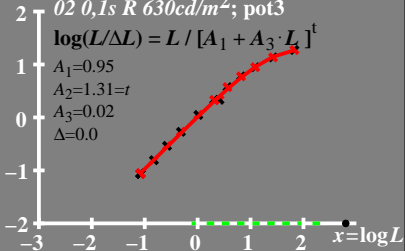
$$\log(L/\Delta L) = L / [A_1 + A_3 \cdot L]^t$$

$$A_1=0.95$$

$$A_2=1.31=t$$

$$A_3=0.02$$

$$\Delta=0.0$$



$L/\Delta L$ luminance contrast sensitivity threshold

• $L_g = 630 \text{ cd/m}^2$

02 0,1s R 630 cd/m^2 ; pot3

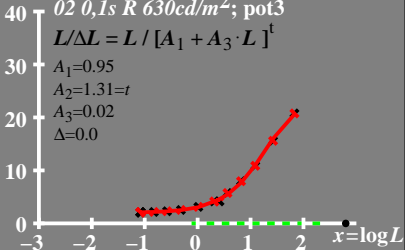
$$L/\Delta L = L / [A_1 + A_3 \cdot L]^t$$

$$A_1 = 0.95$$

$$A_2 = 1.31 = t$$

$$A_3 = 0.02$$

$$\Delta = 0.0$$



T^* luminance difference
threshold sum

• $L_g = 630 \text{ cd/m}^2$

02 0,1s R 630 cd/m^2 ; pot3

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

$$A_1 = 0.95$$

$$A_2 = 1.31 = t$$

$$A_3 = 0.02$$

$$\Delta = 0.0$$

80

60

40

20

0

-3

-2

-1

0

1

2

$x = \log L$