

log (Y/ΔY) CIE contrast

$\log(C_r) \quad C_r=(Y/\Delta Y)$

3 1000

$$\begin{aligned}\log(Y/dY) &= \log((1/3) (116/Y_n)) + (1/3) \log(Y/Y_n) \\ &= \log((1/3) (116/(Y_n^{1/3}))) + (1/3) \log(Y)\end{aligned}$$

2 100

$$\log(Y/dY)=1.33, m_u=0.33$$

1 10

application
range

0

0,1

1

10

$Y_u=18 \quad 100 \quad Y$

-2

-1

0

1

2

$\log(Y)$