

$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$

CIE Y sensitivity
normalized to $\Delta Y_u/Y_u$

$$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y/Y)_u$$

$$100 L^* = 100 (Y/Y_n)^{1/\ln(10)} \quad (Y_n=100, Y_u=18, 1 \leq Y \leq 100) \quad [1f]$$

$$dY/Y = (2,3/100) \cdot (Y/Y_n)^{1,3/2,3} \quad [2f]$$

$$dY/Y = c \cdot Y^{-1/2,3} \quad [3f]$$

$$dY/Y = d \cdot (Y/Y_u)^{-1/2,3} \quad [4f]$$

$$c = 0,170 \quad d = 0,872 \quad [5f]$$

0,568

2

1

0

-1

10

1

0,1

1

10

100

Y

$\log Y$

$$\log[(dY/Y)_u / (dY/Y)_u] = 0, m_u = -0,43$$

$$Y_u=20, dY_u=0,93, (dY/Y_u)=0,046$$

-0,301 application range

$Y_u=18$