

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

IECsRGB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

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

2 $100 L^* = s (Y/Y_n)^n - d \quad (Y_n=100, Y_u=18, s=100, n=1/2,4, d=0) \quad [1a]$

$L^* = r (Y/Y_u)^n - d \quad (r = s (Y_u/Y_n)^n = 48,94, L^*_u = r - d) \quad [1b]$

$dY/Y = [(Y_n / (n s))] (Y/Y_n)^{1-n} / Y \quad [3c]$

$(dY/Y)_u = [(Y_n / (n s))] (Y_u/Y_n)^{1-n} / Y_u \quad [3d]$

1 $10 (dY/Y) / (dY/Y)_u = (Y/Y_u)^{-n} \quad [3e]$

$\log [(dY/Y) / (dY/Y)_u] = (-n) \log(Y/Y_u) \quad [3f]$

0,532

$m_{nu} = -n = -0,416$

$m_u = -0,416$

Anwendungsbereich

0,1

1

10

$Y_u=18$ 100

Y

-2

-1

0

1

2

$\log Y$