

log ($\Delta Y/Y$)

LABJNDu8

Normfarbwertempfindlichkeit

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$S_r = (\Delta Y/Y)$

0 -1

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$dY/Y = A_{0n}(A_{1n} + A_{2n}Y)/Y = A_{0n}(A_{1n} + A_{2u}x)/Y$$

-1 0,1

$$(dY/Y)_{90} = 0,0060, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$$

$$(dY/Y)_{18} = 0,0067, A_{1n} = 0,011, A_{2n} = 0,0038$$

$$(dY/Y)_{3,6} = 0,0105, Y_u = 18, dY_u = 0,12$$

-2 0,01

$$\log(dY/Y) = -2,16, m_u = -0,15$$

Anwendungsbereich

$$T^*_u = 496, dY_u = 0,12, dY_u/Y_u = 0,0067$$

-3 -2

0,1

1

10

100

Y

$x_N = 0,2$

1

$x_W = 5$

2

log(Y)