

log ($\Delta Y/Y$)

LABJNDu2

Normfarbwertemfindlichkeit

$Y_{nc} = Y_{wRGBnc} = 100, 21, 72, 7$

$S_r = (\Delta Y/Y)$

0 -1

$$l^*_{LABJNDu2} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu2} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

-1 0,1

$$(dY/Y)_{5n} = 0,0033, A_{0n} = 0,6666, A_{2u} = 0,0876, c_x = 0,84$$

$$(dY/Y)_{18} = 0,0037, A_{1n} = 0,014, A_{2n} = 0,0048$$

$$(dY/Y)_{3,6} = 0,0058, Y_u = 18, dY_u = 0,06$$

-2 0,01

$$\log(dY/Y) = -2,42, m_u = -0,15$$

$$l^*_u = 890, dY_u = 0,06, dY_u/Y_u = 0,0037$$

Anwendungs-
bereich

-3 -2 -1 0 1 10 100 Y
0,1 1 10 100 Y
x_N = 0,2 1 x_W = 5 2 log(Y)