

$\log(\Delta Y/Y)$

LABJNDu4

Normfarbwertemfindlichkeit

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

$S_r = (\Delta Y/Y)$

0 -1

$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

-1 0,1 $(dY/Y)_{90} = 0,0037, A_{0n} = 1,5, A_{2u} = 0,0438, c_x = 0,42$

$(dY/Y)_{18} = 0,0042, A_{1n} = 0,007, A_{2n} = 0,0024$

$(dY/Y)_{3,6} = 0,0066, Y_u = 18, dY_u = 0,07$

-2 0,01

$\log(dY/Y) = -2,37, m_u = -0,15$

Anwendungsbereich

$L^*_u = 791, dY_u = 0,07, dY_u/Y_u = 0,0042$

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