

$\log(\Delta Y/\Delta Y_u)$

LABJNDu4 relative
Normfarbwertdifferenz

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

$\Delta Y/\Delta Y_u$

2 100

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

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

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

1 10

0 1 $L^*_u = 791, dY_u = 0,09, dY_u/Y_u = 0,0050$

$\log[(dY)/(dY)_u] = 0, m_u = 0,73$

Anwendungsbereich

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