

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

LABJNDu5 relative

Normfarbwertdifferenz

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

$\Delta Y/\Delta Y_u$

2
100

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1
10

$$t^*_u = 332, dY_u = 0,18, dY_u/dY_u = 0,9101$$

$$\log[(dY)/(dY)_u] = 0, x_u = 0,96$$

Anwendungsbereich

0,1

1

10

100

$x_u = 1$

y

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