

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

LABJNDu8 relative
tristimulus value difference

$Y_{nc}=Y_w \text{RGB}_{nc}=100, \text{21, 72, 7}$

$\Delta Y/\Delta Y_u$

2 100

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

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

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

1 10

$$dY_{90}/dY_u = 4,43, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$$

$$dY_{18}/dY_u = 1,00, A_{1n} = 0,011, A_{2u} = 0,0038$$

$$dY_{3,6}/dY_u = 0,31, Y_u = 18, dY_u = 5,12$$

0 1

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

$$\log[(dY)/(dY)_u] = 0, \mu_u = 0,56$$

application
range

0,1

1

10

100

Y

-1

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$