

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

LABJNDu3 relative

tristimulus value difference

$Y_{nc} = L^* w_{RGBnc} = 100, 52, 87, 31$

$\Delta Y/\Delta Y_u$

2
100

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1
10

$$dY_{90}/dY_u = 4,21, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$$

$$dY_{18}/dY_u = 1,00, A_{1n} = 0,017, A_{2n} = 0,0038$$

$$dY_{3,6}/dY_u = 0,35, Y_u = 18, dY_u = 0,13$$

0
1

$$L^*_u = 496, dY_u = 0,13, dY_u/Y_u = 0,0072$$

$$\log[(dY)/(dY)_u] = 0, m_u = 0,81$$

application
range

0,1

1

10

100

$x_u = 1$

y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$