

$\log(\Delta Y)$

LABJNDu7

tristimulus value difference

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

$\Delta Y$

1-10

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

0-1  $A_{0n,D65} = 1,5, A_{0n,A} = 1,0$ , see CIE 230:2019

$$t^*_u = 396, dY_u = 0,15, dY_u / Y_u = 0,0087$$

$$-1-0, \log(dY) = 0,15, m_u = 0,83$$

application range

0,1

1

10

100

$x_u = 1$

$y$

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