

$\log(\Delta Y)$

LABJNDu8

tristimulus value difference

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

ΔY

1-10

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

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

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

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

-1-0,1 $t^*_u=744, dY_u=0,08, dY_u/A_u=0,0045$

$\log(dY_u)=0,36, m_u=0,85, A_{2u}=0,0039, f_x=0,67$

$dY_{18}=0,08, A_{1n}=0,011, A_{2n}=0,0038$

$dY_{3,6}=0,02, Y_u=18, dY_u=0,08$

application
range

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