

$\log(\Delta Y/Y)$

LABJNDu5

tristimulus value sensitivity

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$S_r = (\Delta Y/Y)$

0 -1

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

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

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

-1 0,1

$$(dY/Y)_{90} = 0,0039, A_{0n} = 0,6666, A_{2u} = 0,1044, c_x = 1,00$$

$$(dY/Y)_{18} = 0,0044, A_{1n} = 0,017, A_{2n} = 0,0058$$

$$(dY/Y)_{3,6} = 0,0070, Y_u = 18, dY_u = 0,08$$

-2 0,01

$$\log(dY/Y) = -2,34, m_u = -0,15$$

$$T^*_u = 748, dY_u = 0,08, dY_u/Y_u = 0,0044$$

application
range

-3 -2 -1 0 1 10 100 Y
0,1 1 10 100 Y
x_N = 0,2 1 x_W = 5 2 log(Y)