

log ($\Delta Y/Y$)

LABJNDu7

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

0-1

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

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

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

-1-0,1

$(dY/Y)_{90} = 0,0075, A_{0n} = 1,5, A_{2u} = 0,0876, c_x = 0,84$

$(dY/Y)_{18} = 0,0087, A_{1n} = -0,017, A_{2n} = 0,0048$

$(dY/Y)_{3,6} = 0,0143, Y_u = 18, dY_u = 0,15$

-2-0,01

$\log(dY/Y) = -2,05, m_u = -0,15$

application

range

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

-3

0,1

1

10

100

Y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

log(Y)