

log ($\Delta Y/Y$)

LABJNDu7

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

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

$$(dY/Y)_{90} = 0,0033, A_{0n} = 0,6666, A_{2u} = 0,0876, c_x = 0,84$$

$$(dY/Y)_{18} = 0,0037, A_{1n} = 0,014, A_{2n} = 0,0048$$

$$(dY/Y)_{3,6} = 0,0058, Y_u = 18, dY_u = 0,06$$

-2-0,01

$$\log(dY/Y) = -2,42, m_u = -0,15$$

$$T^*_u = 890, dY_u = 0,06, dY_u/Y_u = 0,0037$$

application
range

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