

log ($\Delta Y/Y$)

LABJNDu1

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

0,1

$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

-1,0,1 $(dY/Y)_{90} = 0,0089, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 1,00$

$(dY/Y)_{18} = 0,0101, A_{1n} = 0,017, A_{2n} = 0,0058$

$(dY/Y)_{3,6} = 0,0157, Y = 18, dY_u = 0,18$

-2,0,1 $\log(dY/Y) = -1,99, m_u = -0,15$

$L^*_u = 332, dY_u = 0,18, dY_u/Y_u = 0,0101$

application
range

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