

$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$

LABJNDu3 relative
tistimulus value sensitivity

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

$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y/Y)_u$

2 100

$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

$(dY/Y) / (dY/Y)_u = [(A_{1n} + A_{2u}x) / x_u] / (A_{1n} + A_{2u})$

1 10

$(dY/Y)_{90} / (dY/Y)_u = 0,92, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 0,67$

$(dY/Y)_{18} / (dY/Y)_u = 1,00, A_{1n} = 0,011, A_{2n} = 0,0058$

$(dY/Y)_{3,6} / (dY/Y)_u = 1,39, Y_u = 18, dY_u = 0,17$

0 1

$\log[(dY/Y) / (dY/Y)_u] = 0, m_u = -0,09$

$L^*_u = 332, dY_u = 0,17, dY_u/Y_u = 0,0096$

application
range

0,1

1

10

$x_u = 1$

100 Y

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$