

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

LABJNDu4 relative

tistimulus value contrast

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$

2 100

$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$

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

1 10

$(Y/dY)_{90}/(Y/dY)_u = 1,05, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 0,42$

$(Y/dY)_{18}/(Y/dY)_u = 1,00, A_{1n} = 0,007, A_{2n} = 0,0058$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,79, Y_u = 18, dY_u = 0,16$

0 1

$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,06$

$L^*_u = 332, dY_u = 0,16, Y_u = 107$

application
range

0,1

1

10

100

Y

-1

0

1

2

$\log(Y)$

$x_N = 0,2$

$x_W = 5$

$x_u = 1$