

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

LABJNDu5 relative
tistimulus value contrast

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

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

2 100

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2u}x)/(A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1 10

$$(Y/dY)_{90}/(Y/dY)_u = 1,12, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 1,00$$

$$(Y/dY)_{18}/(Y/dY)_u = 1,00, A_{1n} = 0,017, A_{2n} = 0,0058$$

$$(Y/dY)_{3,6}/(Y/dY)_u = 0,64, Y_u = 18, dY_u = 0,18$$

0 1

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,13$$

$$t^*_u = 332, dY_u = 0,18, Y_u/dY_u = 1$$

application
range

0,1

-1

1

0

10

1

100

2

Y

$\log(Y)$

$x_u = 1$

$x_w = 5$

$x_n = 0,2$