

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

LABJNDu1 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

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

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

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

1  
10  $(dY/Y)_{90} / (dY/Y)_u = 0,88, A_{0n} = 1,0, A_{2u} = 0,1044, c_x = 1,00$

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

$(dY/Y)_{3,6} / (dY/Y)_u = 1,00, Y_u = 18, dY_u = 0,12$

0  
1  
application range

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

$L^*_u = 498, dY_u = 0,12, dY_u/Y_u = 0,0067$

application range

0,1

1

10

100

$x_u = 1$   
y

-2 -1 0 1 2  $\log(Y)$

$x_N = 0,2$

$x_W = 5$