

$\log(\Delta Y/\Delta Y_u)$

LABJNDu7 relative  
tristimulus value difference

$Y_{nc}=Y_w$  RGBnc=100, 21, 7

$\Delta Y/\Delta Y_u$

2 100

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu7} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1 10

0 1  $t^*_u = 332, dY_u = 0,17, dY_u/Y_u = 0,0098$

$\log[(dY)/(dY)_u] = 0, x_u = 0,58$

application  
range

0,1

1

10

$x_u = 1$

100

$Y$

-1

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$