

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

LABJNDu0 relative
tristimulus value difference

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

$\Delta Y/\Delta Y_u$

2 100

$$l^*_{LABJNDu0} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu0} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1 10

0 1 $l^*_u=332, dY_u=0,18, dY_u/Y_u=0,0101$

$\log[(dY)/(dY)_u]=0, m_u=0,86$

application
range

-1 0,1 1 10 100 $l^*_u=1$ y
-2 -1 0 $x_N=0,2$ 1 $x_W=5$ 2 $\log(Y)$