

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

LABJNDu0 relative
tristimulus value difference
 $Y_{nc}=Y_W \text{RGB}_{nc}=100, 21, 72, 7$

$\Delta Y/\Delta Y_u$

2-100

$$l^*_{\text{LABJND}u0} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{\text{LABJND}u0} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

1-10

0-1

$$l^*_{u0} = 332, dY_u = 0,18, dY_u/Y_u = 0,0101$$

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

application range

-2 -1 0 1 10 100

$x_u=1$ $x_w=5$ Y