

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

relative LABJND-tristimulus  
value difference

$\Delta Y/\Delta Y_u$

2

100

$$L^*_{\text{LABJND}} = (A_0/A_2) \ln (A_1 + A_2 \cdot Y)$$

$$A_0=1,50 \quad A_1=0,0170 \quad A_2=0,0058$$

relative tristimulus value difference

1

10

$$\log(dY/dY_u) = \log (A_1 + A_2 \cdot Y) \\ - \log (A_1 + A_2 \cdot Y_u)$$

$$Y_u=18, dY_u=0.08, dY_u/Y_u=0.004$$

$$\log[(dY)/(dY_u)]=0, m_u=0.86$$

0

1

application  
range

0,1

1

$Y_N=4$

10

$Y_u=18$

100

$Y$

$\log(Y)$

-1

-2

-1

0

1

2