

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

relative LABJND2-tristimulus
value difference

$\Delta Y/\Delta Y_u$

2

100

$$L^*_{\text{LABJND2}} = (t/a) \ln [1 + b (Y/Y_u)]$$

$$a=0.3411 \quad t=88.23 \quad t/a=258.6 \quad b=a \cdot Y_u=6.14$$

relative tristimulus value difference

1

$$\log(dY/dY_u) = \log [(1+b \cdot (Y/Y_u)) / t] - \log [(1+b) / t]$$

0

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

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

-1

application
range

0,1

1

$Y_N=4$

10

$Y_u=18$

100

Y

$\log(Y)$

-1

-2

-1

0

1

2