

$\log(t^*)$

LABJNDu5 triangle lightness t^*

$Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$

t^*
4
10000

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu5} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$t^*_N(3,6)=146, t^*_u(18)=332, t^*_w(90)=517$$

3
1000

$$\log[t^*/t^*_u]=0, m_u=0,33$$

$$L^*_u=49, t^*_u=332$$

2
100

$$t^*_{90}=517, 21, A_{0n}=1,5, A_{2u}=0,1044, c_x=1,00$$

$$t^*_{18}=332, 22, A_{1n}=0,0017, A_{2n}=0,0058$$

$$t^*_{3,6}=146, 11, t^*_u=332, 22, Y_u=18$$

application
range

1

0,1

1

10

$x_u=1$

100 Y

-2

-1

0

1

$x_N=0,2$

$x_W=5$

2

$\log(Y)$