

$\log(Y/\Delta Y)$

$\log(S_r)$   $S_r = (Y/\Delta Y)$

CIE tristimulus

value  $Y$  sensitivity

$$4 \cdot 10000 L^* = (t/a) \ln [ 1 + b (Y/Y_u) ]$$

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

tristimulus value  $Y$  sensitivity

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

$$L^*_u=508, Y_u=18, dY_u=0.08, Y_u/dY_u=222$$

$$\log(Y/dY)=2.34, m_u=0.13$$

2 · 100

-2

0,1  
-1

1  
0

10  
1

100  
2

$\log(Y)$

application  
range

range