

$\log [(Y/\Delta Y) / (Y_u/\Delta Y_u)]$ CIE Y based sensitivity
 $S_r/S_{ru}=(Y/\Delta Y)/(Y_u/\Delta Y_u)$ normalized to $Y_u/\Delta Y_u$

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

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

relative tristimulus value Y sensitivity

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

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

$$\log [(Y/dY)/(Y_u/dY_u)] = 0, m_u=0.13$$

