

$\log(Y/\Delta Y)$

CIE Y-basierte Empfindlichkeit

$S_r = (Y/\Delta Y)$

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

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

Hellbezugswert-Y-Empfindlichkeit

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

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

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

3 1000

2 100

1

-2

0,1

-1

0

1

10

1

100

2

Y

$\log(Y)$

Anwendungsbereich

$Y_u = 18$