

$\log \Delta Y$

CIE tristimulus value difference  $\Delta Y$

$\Delta Y$   
10

$$L^*_{85,2} = (t/a) \ln(1 + a \cdot Y) \quad [1c]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=6,141 \quad [2c]$$

tristimulus value  $Y$  difference

$$dY = (A_1 + A_2 \cdot Y) / A_0, \text{ see CIE 230; Eq. (A.7a)} \quad [4c]$$

$$dY = (s + q \cdot Y) / c, \text{ see Richter (1985)} \quad [3c]$$

$$dY = (1 + a \cdot Y) / t \quad [5c]$$

$$dY = (1 + b \cdot (Y / Y_u)) / t \quad [6c]$$

$$A_1=s=0,0170 \quad A_2=q=0,0058 \quad A_0=c=1,5 \quad [7c]$$

1

0,1

$$\log(dY_u) = -1,09, \quad m_u = 0,86$$

$$Y_u = 18, \quad dY_u = 0,08, \quad dY_u / Y_u = 0,004$$

0,012

$$Y_N = 3,6 \quad Y_u = 18 \quad Y_W = 90$$

-2

-1

0

1

2

3

4

$\log Y$

application range