

$(\Delta Y/Y) / (\Delta Y/Y)_u$

HAULAB-Y sensitivity
normalized to $(\Delta Y/Y)_u$

$$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y/Y)_u$$

$$L^* = s(Y/Y_u)^n - d \quad (Y_n=100, Y_u=22, s=134,6, n=0,31, d=34,6) \quad [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 44,4) \quad [1b]$$

6

4

2

0

Y_curve, ij=0, Yuij=22, L*uij=50

k=99, Ykij=100, L*kij=99,9, $(\Delta Y/Y) / (\Delta Y/Y)_u = 0,62$

k=22, Ykij=23, L*kij=50,7, $(\Delta Y/Y) / (\Delta Y/Y)_u = 0,99$

k=1, Ykij=2, L*kij=5,4, $(\Delta Y/Y) / (\Delta Y/Y)_u = 2,11$

k=0, Ykij=1, L*kij=-2,3, $(\Delta Y/Y) / (\Delta Y/Y)_u = 2,62$

$\varphi = 120^\circ$

$L_{aw} = 300 \text{ cd/m}^2$

application
range

$m_{u90} = -0,000, f_{90} = 0, f_4 = 0$

$m_u = -0,676$

0,1

1

10

$Y_u = 18$
 $Y_u = 22$

100

0,628

0,381

log Y