

$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$

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

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

$$100L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=19, s=134,6, n=0,31, d=30,7) \quad [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 48,3) \quad [1b]$$

$Y_{curve}, ij=2, Y_{uij}=19, L^*_{uij}=50$

$k=99, Y_{kij}=100, L^*_{kij}=103,8, (\Delta Y/Y) / (\Delta Y/Y)_u = 0,59$

$k=19, Y_{kij}=20, L^*_{kij}=51,0, (\Delta Y/Y) / (\Delta Y/Y)_u = 0,98$

$k=1, Y_{kij}=2, L^*_{kij}=9,3, (\Delta Y/Y) / (\Delta Y/Y)_u = 2,01$

$k=0, Y_{kij}=1, L^*_{kij}=1,5, (\Delta Y/Y) / (\Delta Y/Y)_u = 2,49$

$\phi = 120'$

$L_{aw} = 200 \text{ cd/m}^2$

application  
range

$m_{nu} = -n = -0,310$

$m_u = -0,294$

$Y_u = 19$

0,1

1

10

$Y_u = 18$  100

$Y$

-2 -1 0 1 2  $\log Y$