

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

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

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

$100 L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=37, s=134,6, n=0,31, d=49,5) [1a]$

$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 29,5) [1b]$

Y_curve, ij=1, Yuij=37, L*uij=50

$k=99, Y_{kij}=100, L^*_{kij}=85,0, (\Delta Y/Y) / (\Delta Y/Y)_u = 0,73$

$k=37, Y_{kij}=38, L^*_{kij}=50,2, (\Delta Y/Y) / (\Delta Y/Y)_u = 0,99$

$k=1, Y_{kij}=2, L^*_{kij}=-9,4, (\Delta Y/Y) / (\Delta Y/Y)_u = 2,48$

$k=0, Y_{kij}=1, L^*_{kij}=-17,1, (\Delta Y/Y) / (\Delta Y/Y)_u = 3,08$

$\phi=120'$

$L_{aw} = 1000 \text{ cd/m}^2$

application
range

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

$m_u = -0,302$

$Y_u=37$ $-0,004$

$L^*_{TUB}/L^*_{TUB,u}$
 $= (Y/Y)_u^{1/\ln(10)}$

$Y_u=18$ 100

