

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

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

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

**2**  $100 L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=12, s=163,9, n=0,31, d=36,8)$  [1a]

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 96,32, L^*_u = r - d = 59,4) \quad [1b]$$

$$dY/Y = [ (Y_n / (ns)) ] (Y/Y_n)^{1-n} / Y \quad [3c]$$

$$(dY/Y)_u = [ (Y_n / (ns)) ] (Y_u/Y_n)^{1-n} / Y_u \quad [3d]$$

**1**  $10 (dY/Y) / (dY/Y)_u = (Y/Y_u)^{-n}$  [3e]

$$\log [(dY/Y) / (dY/Y)_u] = (-n) \log(Y/Y_u) \quad [3f]$$

