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

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

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y)_u$

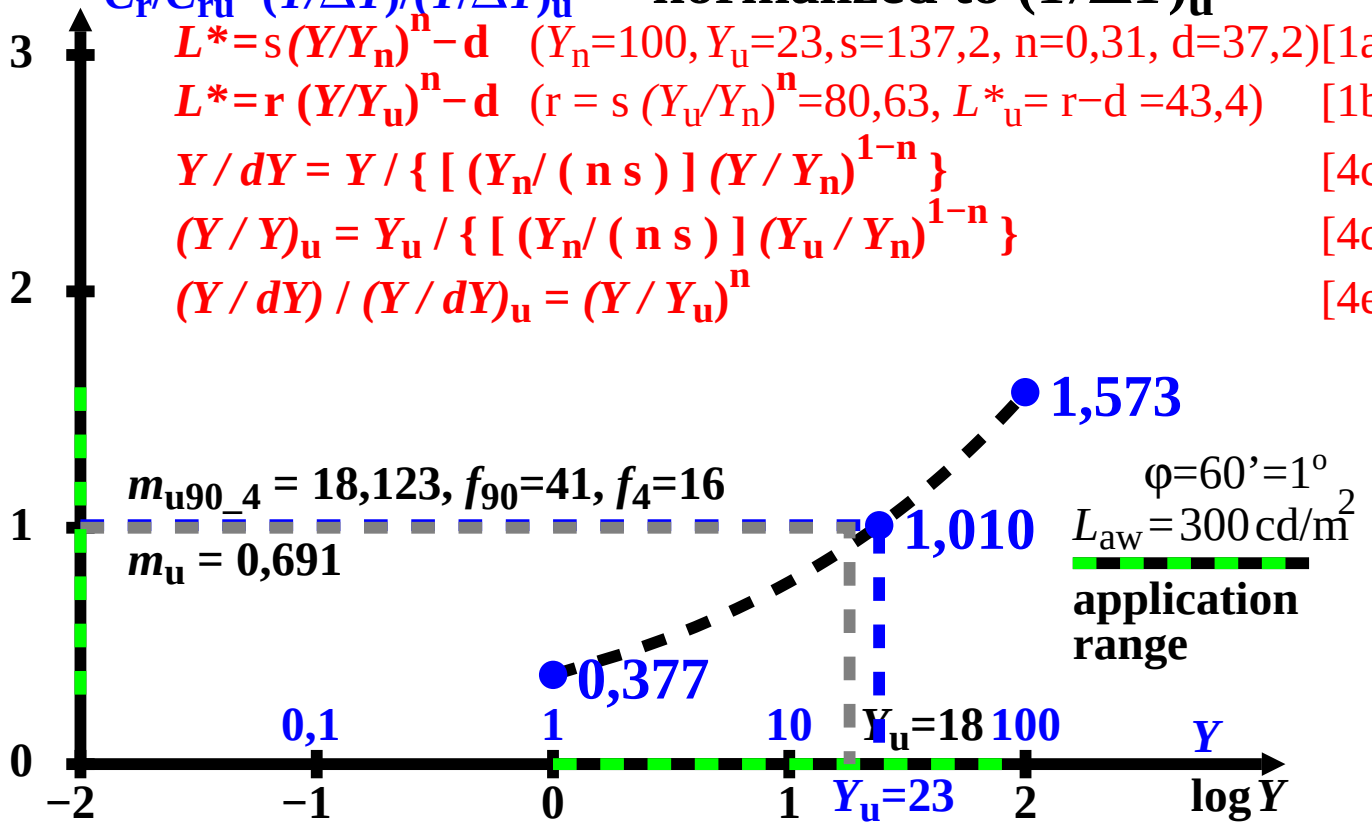
$L^* = s\,(Y/Y_n)^n - d$ (Y_n=100, Y_u=23, s=137,2, n=0,31, d=37,2) [1a]

$L^* = r\,(Y/Y_u)^n - d$ (r = s $(Y_u/Y_n)^n$=80,63, L^*_u= r−d =43,4) [1b]

$Y / dY = Y / \{ [(Y_n/ (n\ s)] (Y / Y_n)^{1-n} \}$ [4c]

$(Y / Y)_u = Y_u / \{ [(Y_n/ (n\ s)] (Y_u / Y_n)^{1-n} \}$ [4d]

$(Y / dY) / (Y / dY)_u = (Y / Y_u)^n$ [4e]



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