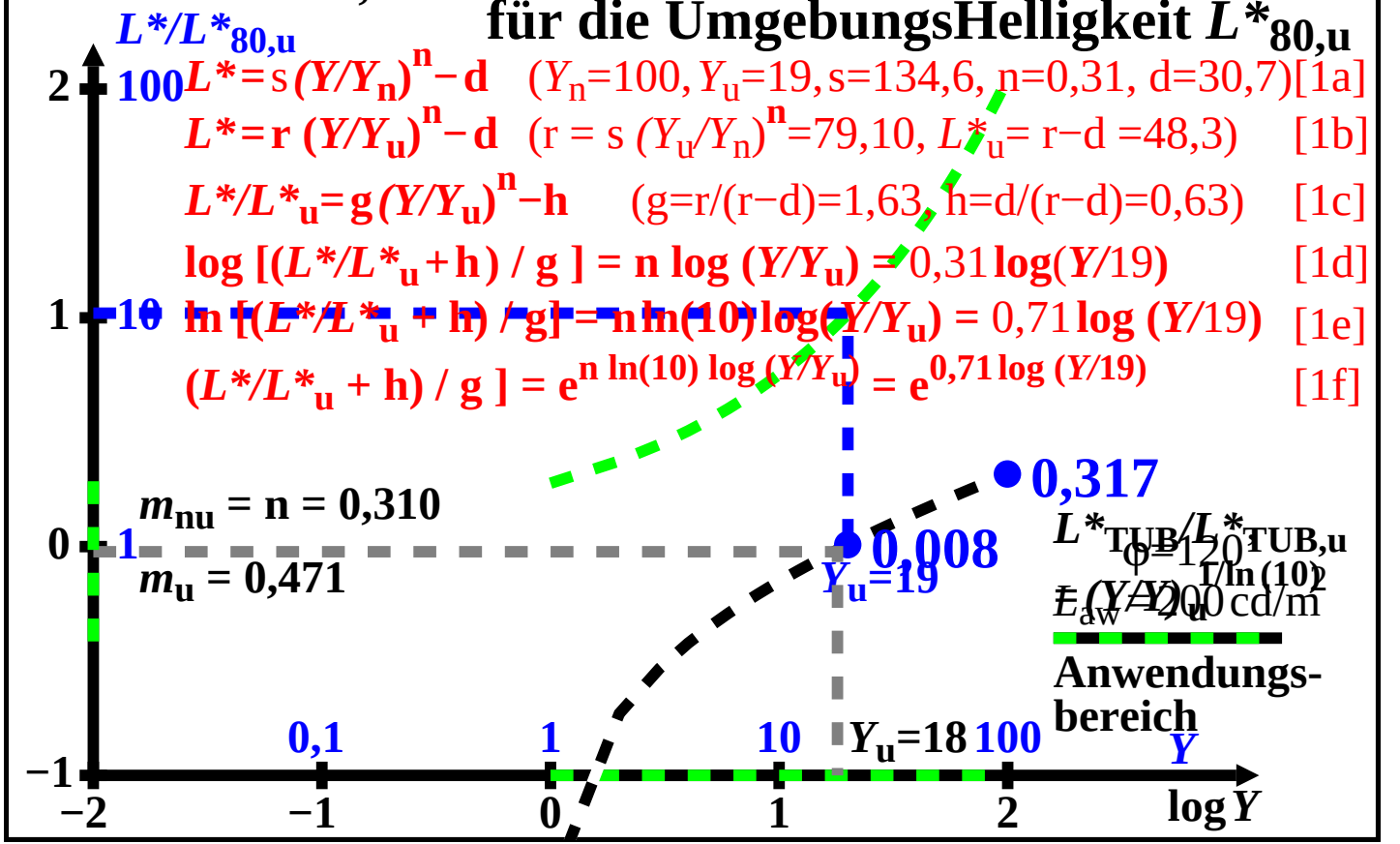
HAULAB-Helligkeit L^*_{80} normiert für die UmgebungsHelligkeit $L^*_{80,u}$



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

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

$L^*/L^*_u = g\,(Y/Y_u)^n - h$ (g=r/(r−d)=1,63, h=d/(r−d)=0,63) [1c]

$\log[(L^*/L^*_u + h)/g] = n \log(Y/Y_u) = 0{,}31 \log(Y/19)$ [1d]

$\ln[(L^*/L^*_u + h)/g] = n \ln(10) \log(Y/Y_u) = 0{,}71 \log(Y/19)$ [1e]

$(L^*/L^*_u + h)/g] = e^{n \ln(10) \log(Y/Y_u)} = e^{0{,}71 \log(Y/19)}$ [1f]

hgo90−3a