

$\log(L^*_{80}/L^*_{80,u})$ HAULAB-Helligkeit L^*_{80} normiert für die Umgebungshelligkeit $L^*_{80,u}$

$L^*/L^*_{80,u}$ $100 L^* = s(Y/Y_u)^n - d$ ($Y_n=100, Y_u=22, s=134,6, n=0,31, d=34,6$) [1a]

$L^* = r(Y/Y_u)^n - d$ ($r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 44,5$) [1b]

$L^*/L^*_u = g(Y/Y_u)^n - h$ ($g = r/(r-d) = 1,77, h = d/(r-d) = 0,77$) [1c]

$\log[(L^*/L^*_u + h)/g] = n \log(Y/Y_u) = 0,31 \log(Y/22)$ [1d]

$10 \ln[(L^*/L^*_u + h)/g] = n \ln(10) \log(Y/Y_u) = 0,71 \log(Y/22)$ [1e]

$(L^*/L^*_u + h)/g = e^{n \ln(10) \log(Y/Y_u)} = e^{0,71 \log(Y/22)}$ [1f]

