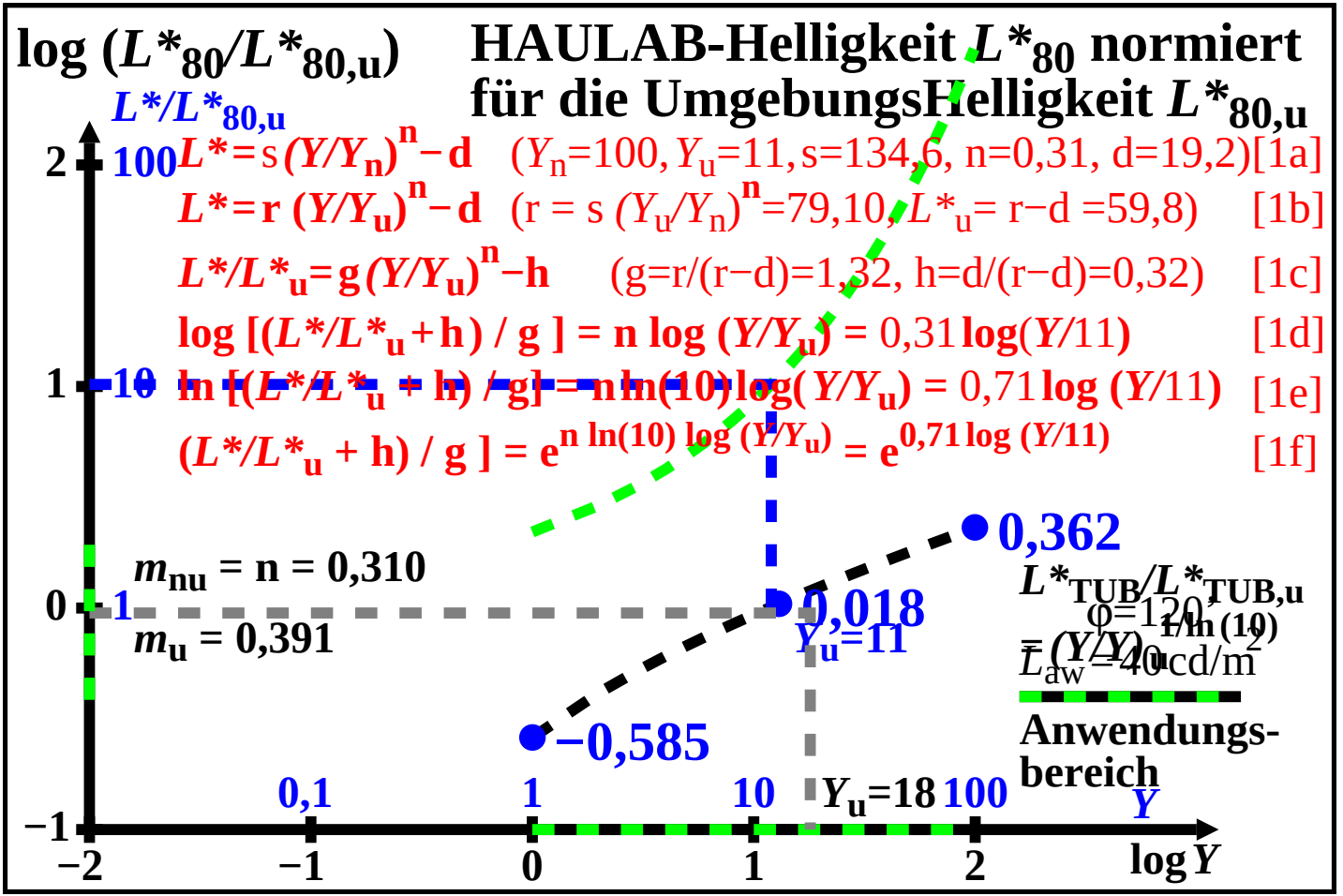
log (L*80/L*80,u)
HAULAB-Helligkeit L*80 normiert
für die UmgebungsHelligkeit L*80,u
L*/L*80,u
L*=s(Y/Yn)^n−d (Yn=100, Yu=11, s=134,6, n=0,31, d=19,2) [1a]
L*=r (Y/Yu)^n−d (r = s (Yu/Yn)^n=79,10, L*u= r−d =59,8) [1b]
L*/L*u=g(Y/Yu)^n−h (g=r/(r−d)=1,32, h=d/(r−d)=0,32) [1c]
log [(L*/L*u+h) / g ] = n log (Y/Yu) = 0,31 log(Y/11) [1d]
ln [(L*/L*u + h) / g] = n ln(10) log( Y/Yu) = 0,71 log (Y/11) [1e]
(L*/L*u + h) / g ] = e^(n ln(10) log (Y/Yu)) = e^(0,71 log (Y/11)) [1f]
100
10
1
2
1
0
−1
mnu = n = 0,310
mu = 0,391
0,362
0,018
−0,585
Yu=11
Yu=18
L*TUB/L*TUB,u
= (Y/Yu)^(1/ln(10))
Law=40 cd/m²
Anwendungs-
bereich
0,1
1
10
100
Y
−2
−1
0
1
2
log Y

hgo90−4a