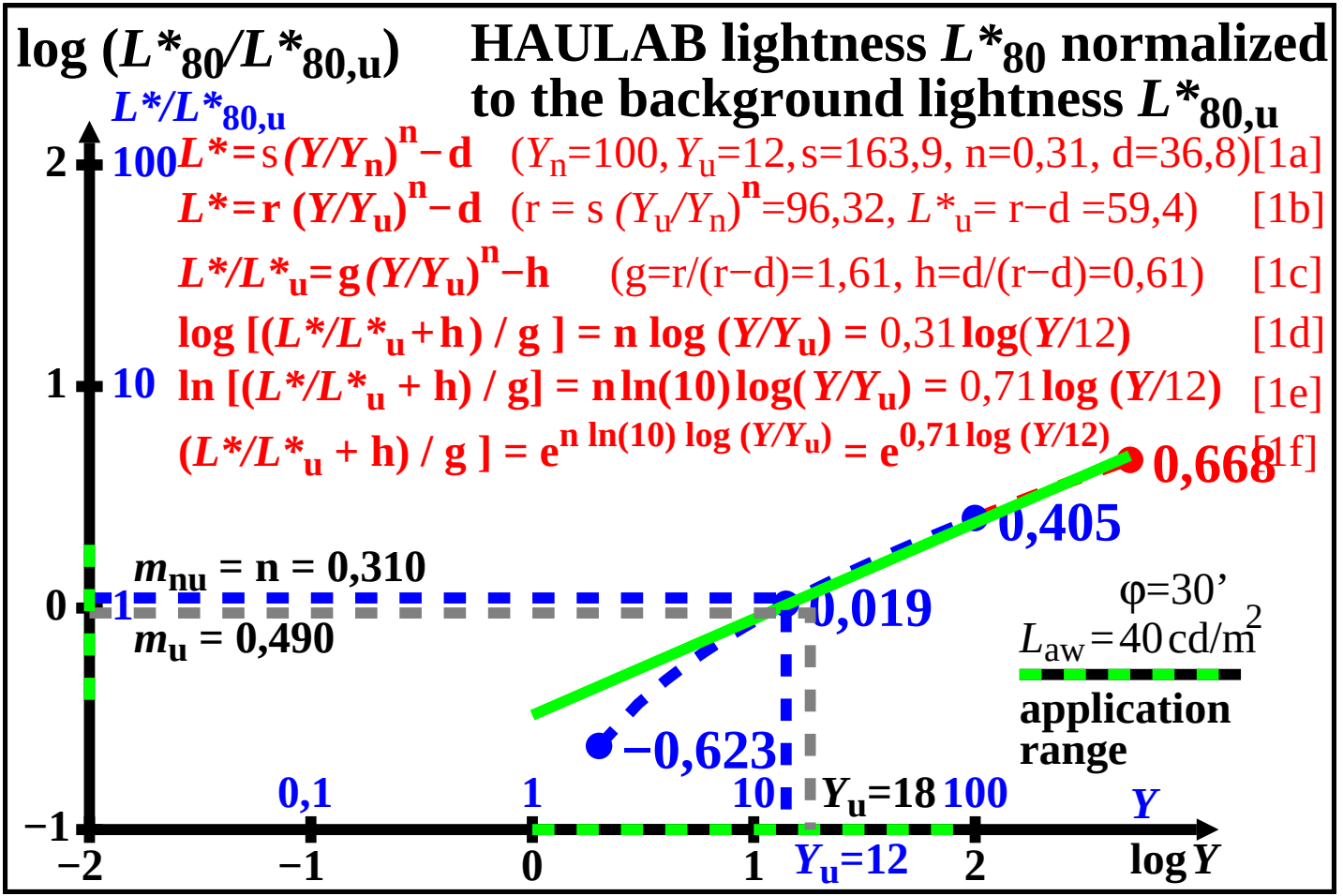
log (L*80/L*80,u)
HAULAB lightness L*80 normalized to the background lightness L*80,u
L*/L*80,u
L* = s (Y/Yn)^n − d (Yn=100, Yu=12, s=163,9, n=0,31, d=36,8) [1a]
L* = r (Y/Yu)^n − d (r = s (Yu/Yn)^n =96,32, L*u = r−d =59,4) [1b]
L*/L*u = g (Y/Yu)^n − h (g=r/(r−d)=1,61, h=d/(r−d)=0,61) [1c]
log [(L*/L*u + h) / g] = n log (Y/Yu) = 0,31 log(Y/12) [1d]
ln [(L*/L*u + h) / g] = n ln(10) log(Y/Yu) = 0,71 log (Y/12) [1e]
(L*/L*u + h) / g] = e^(n ln(10) log (Y/Yu)) = e^(0,71 log (Y/12)) [1f]
2
1
0
−1
100
10
1
mnu = n = 0,310
mu = 0,490
0,668
0,405
0,019
−0,623
φ=30’
Law = 40 cd/m2
application range
0,1
1
10
Yu=18
100
Y
−2
−1
0
1
Yu=12
2
log Y

hev90−4a