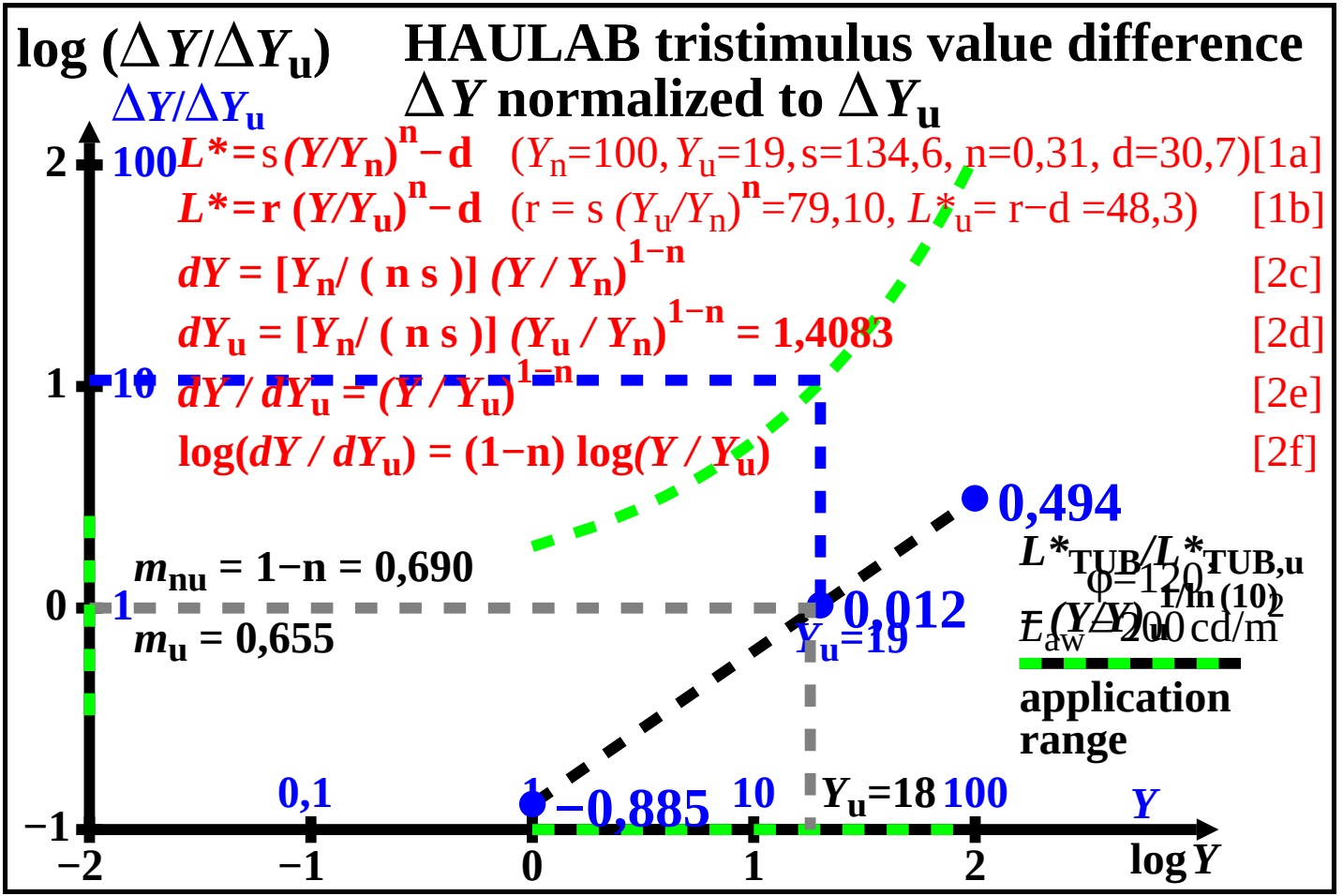

log (ΔY/ΔYu)
HAULAB tristimulus value difference
ΔY normalized to ΔYu
ΔY/ΔYu
L*=s (Y/Yn)^n − d (Yn=100, Yu=19, s=134,6, n=0,31, d=30,7) [1a]
L*=r (Y/Yu)^n − d (r = s (Yu/Yn)^n=79,10, L*u= r−d =48,3) [1b]
dY = [Yn/ (n s)] (Y / Yn)^(1−n) [2c]
dYu = [Yn/ (n s)] (Yu / Yn)^(1−n) = 1,4083 [2d]
dY / dYu = (Y / Yu)^(1−n) [2e]
log(dY / dYu) = (1−n) log(Y / Yu) [2f]
100
10
1
0,494
0,012
−0,885
mnu = 1−n = 0,690
mu = 0,655
Yu=19
Yu=18
L*TUB/L*TUB,u
φ=120°
1/ln (10)
E (Y/Yu)^2
Law = 200 cd/m²
application range
0,1
1
10
100
Y
log Y
2
1
0
−1
−2
−1
0
1
2

heo90−7a