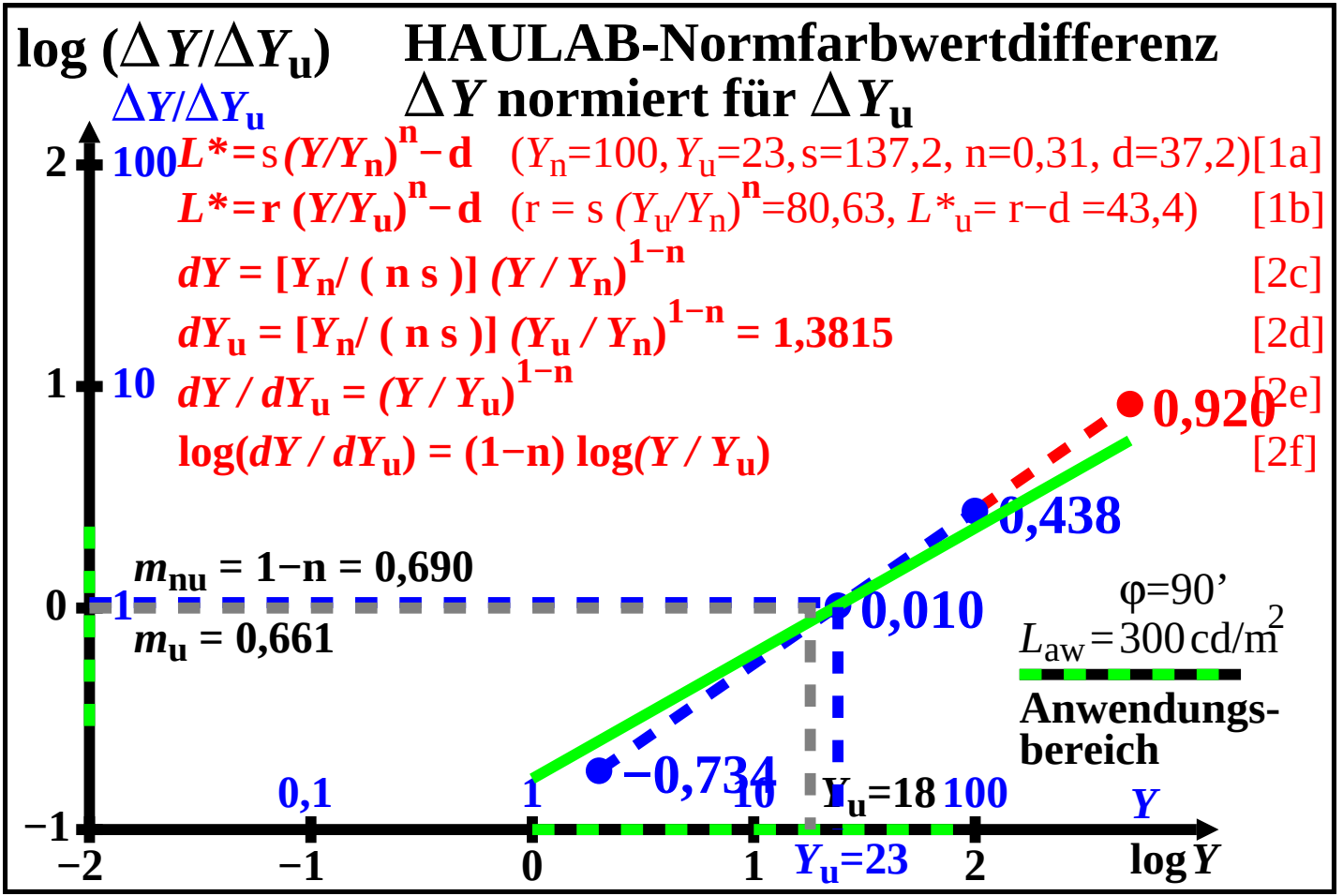
log (ΔY/ΔY_u)
HAULAB-Normfarbwertdifferenz
ΔY normiert für ΔY_u
ΔY/ΔY_u
L*=s (Y/Y_n)^n − d (Y_n=100, Y_u=23, s=137,2, n=0,31, d=37,2) [1a]
L*=r (Y/Y_u)^n − d (r = s (Y_u/Y_n)^n=80,63, L*_u= r−d =43,4) [1b]
dY = [Y_n/ (n s)] (Y / Y_n)^1−n [2c]
dY_u = [Y_n/ (n s)] (Y_u / Y_n)^1−n = 1,3815 [2d]
dY / dY_u = (Y / Y_u)^1−n [2e]
log(dY / dY_u) = (1−n) log(Y / Y_u) [2f]
2
1
0
−1
100
10
1
m_nu = 1−n = 0,690
m_u = 0,661
0,920
0,438
0,010
−0,734
φ=90'
L_aw = 300 cd/m²
Anwendungs-
bereich
0,1
1
10
100
Y_u=18
Y
−2
−1
0
1
2
Y_u=23
log Y

hgu90−5a