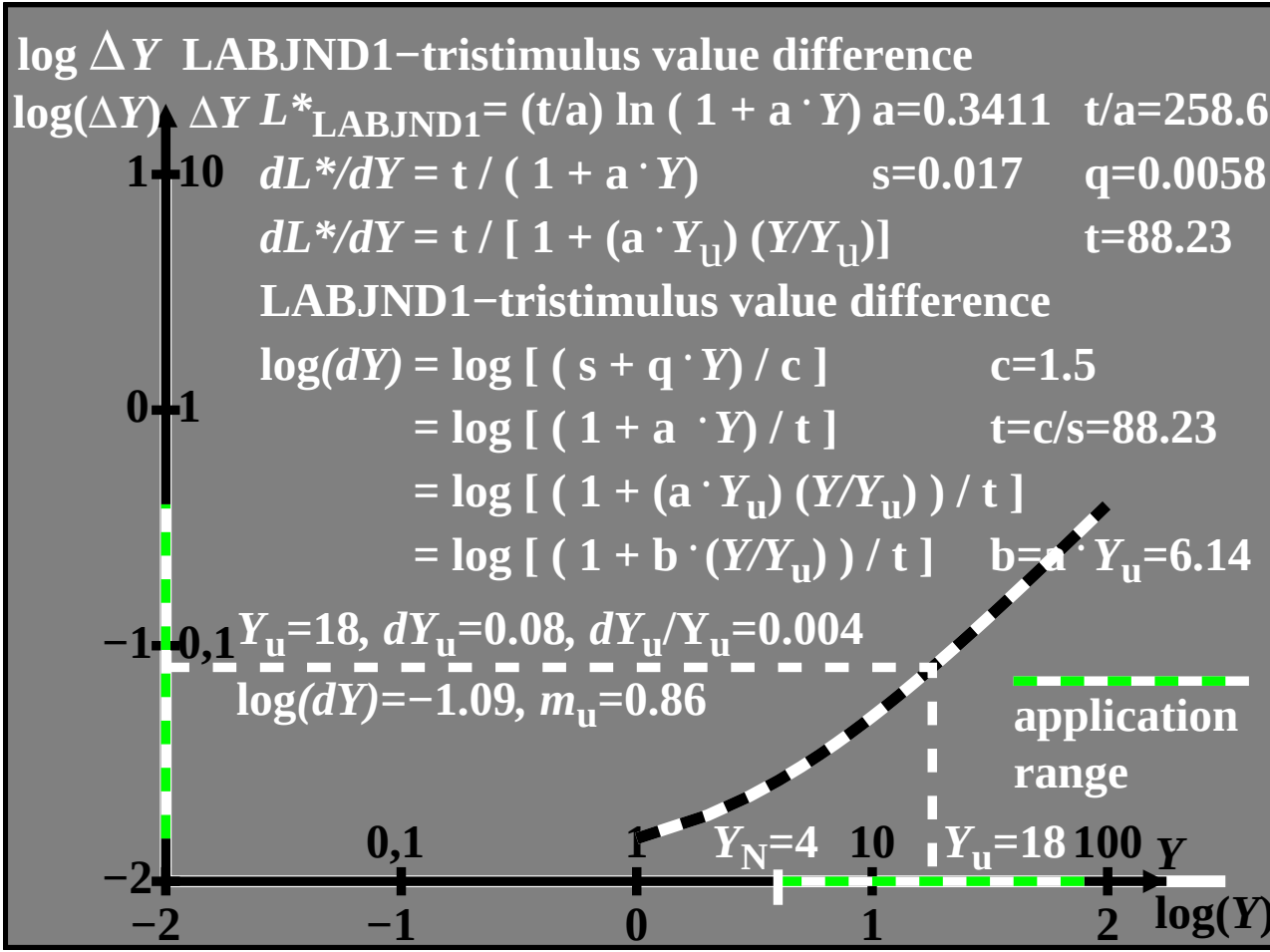
log ΔY LABJND1−tristimulus value difference
log(ΔY) ΔY L*LABJND1= (t/a) ln (1 + a · Y) a=0.3411 t/a=258.6
dL*/dY = t / (1 + a · Y) s=0.017 q=0.0058
dL*/dY = t / [1 + (a · Yu) (Y/Yu)] t=88.23
LABJND1−tristimulus value difference
log(dY) = log [(s + q · Y) / c] c=1.5
= log [(1 + a · Y) / t] t=c/s=88.23
= log [(1 + (a · Yu) (Y/Yu)) / t]
= log [(1 + b · (Y/Yu)) / t] b=a · Yu=6.14
Yu=18, dYu=0.08, dYu/Yu=0.004
log(dY)=−1.09, mu=0.86
application range
1 10
0 1
−1 0,1
−2
0,1 1 YN=4 10 Yu=18 100 Y
−2 −1 0 1 2 log(Y)

BET10−3A