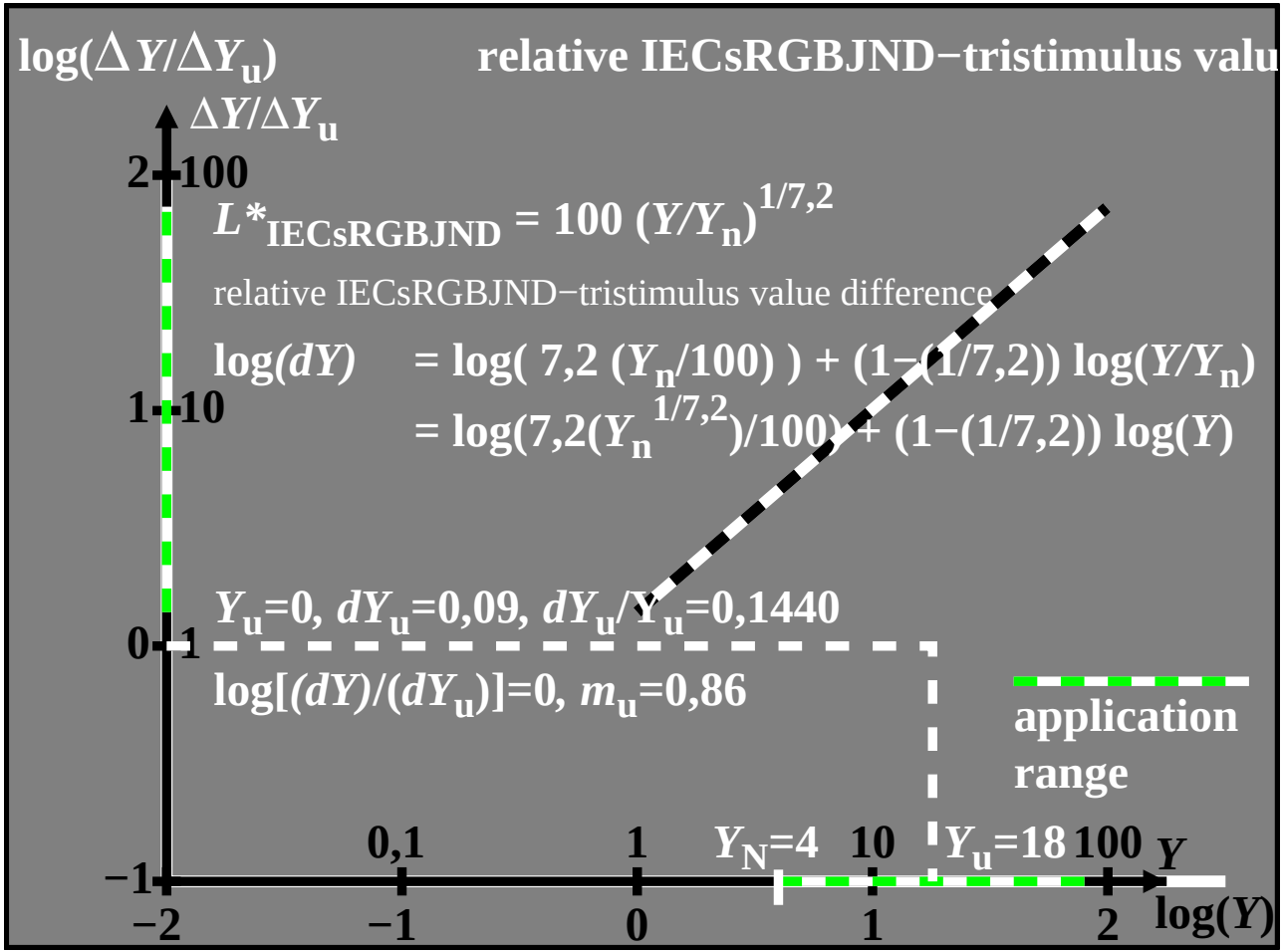
log(ΔY/ΔY_u)
relative IECsRGBJND−tristimulus valu
ΔY/ΔY_u
2
100
1
10
0
1
−1
L*_IECsRGBJND = 100 (Y/Y_n)^1/7,2
relative IECsRGBJND−tristimulus value difference
log(dY) = log(7,2 (Y_n/100)) + (1−(1/7,2)) log(Y/Y_n)
= log(7,2(Y_n^1/7,2)/100) + (1−(1/7,2)) log(Y)
Y_u=0, dY_u=0,09, dY_u/Y_u=0,1440
log[(dY)/(dY_u)]=0, m_u=0,86
application range
0,1
1
Y_N=4
10
Y_u=18
100
Y
−1
−2
−1
0
1
2
log(Y)

BET40−4A