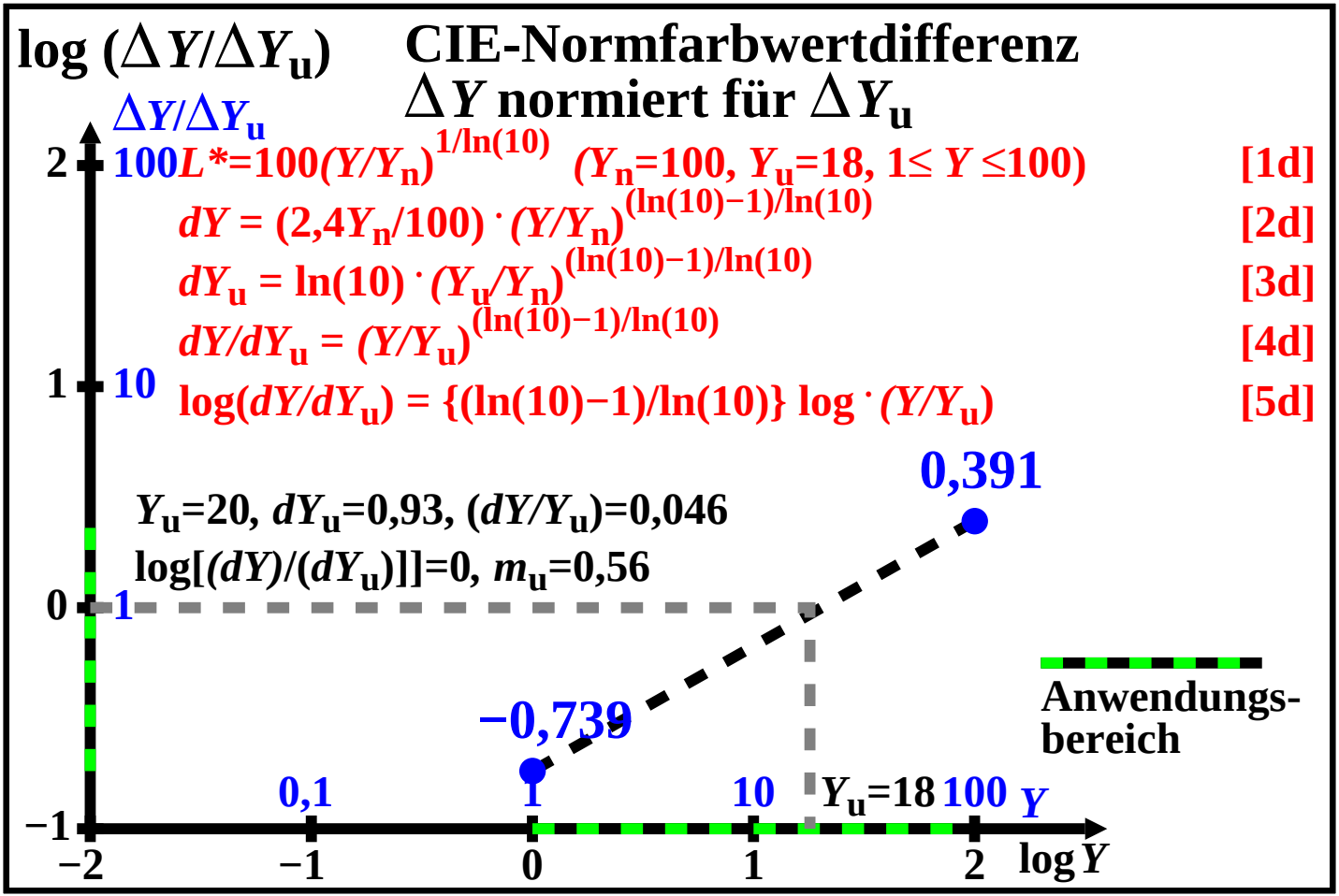
log (ΔY/ΔY_u)
CIE-Normfarbwertdifferenz
ΔY normiert für ΔY_u
ΔY/ΔY_u
100 L*=100(Y/Y_n)^(1/ln(10)) (Y_n=100, Y_u=18, 1≤ Y ≤100) [1d]
dY = (2,4Y_n/100) · (Y/Y_n)^((ln(10)−1)/ln(10)) [2d]
dY_u = ln(10) · (Y_u/Y_n)^((ln(10)−1)/ln(10)) [3d]
dY/dY_u = (Y/Y_u)^((ln(10)−1)/ln(10)) [4d]
log(dY/dY_u) = {(ln(10)−1)/ln(10)} log · (Y/Y_u) [5d]
2
1
0
−1
10
1
Y_u=20, dY_u=0,93, (dY/Y_u)=0,046
log[(dY)/(dY_u)]]=0, m_u=0,56
0,391
−0,739
Anwendungs-
bereich
0,1
1
10
Y_u=18
100
Y
−2
−1
0
1
2
log Y

ggz90−6a