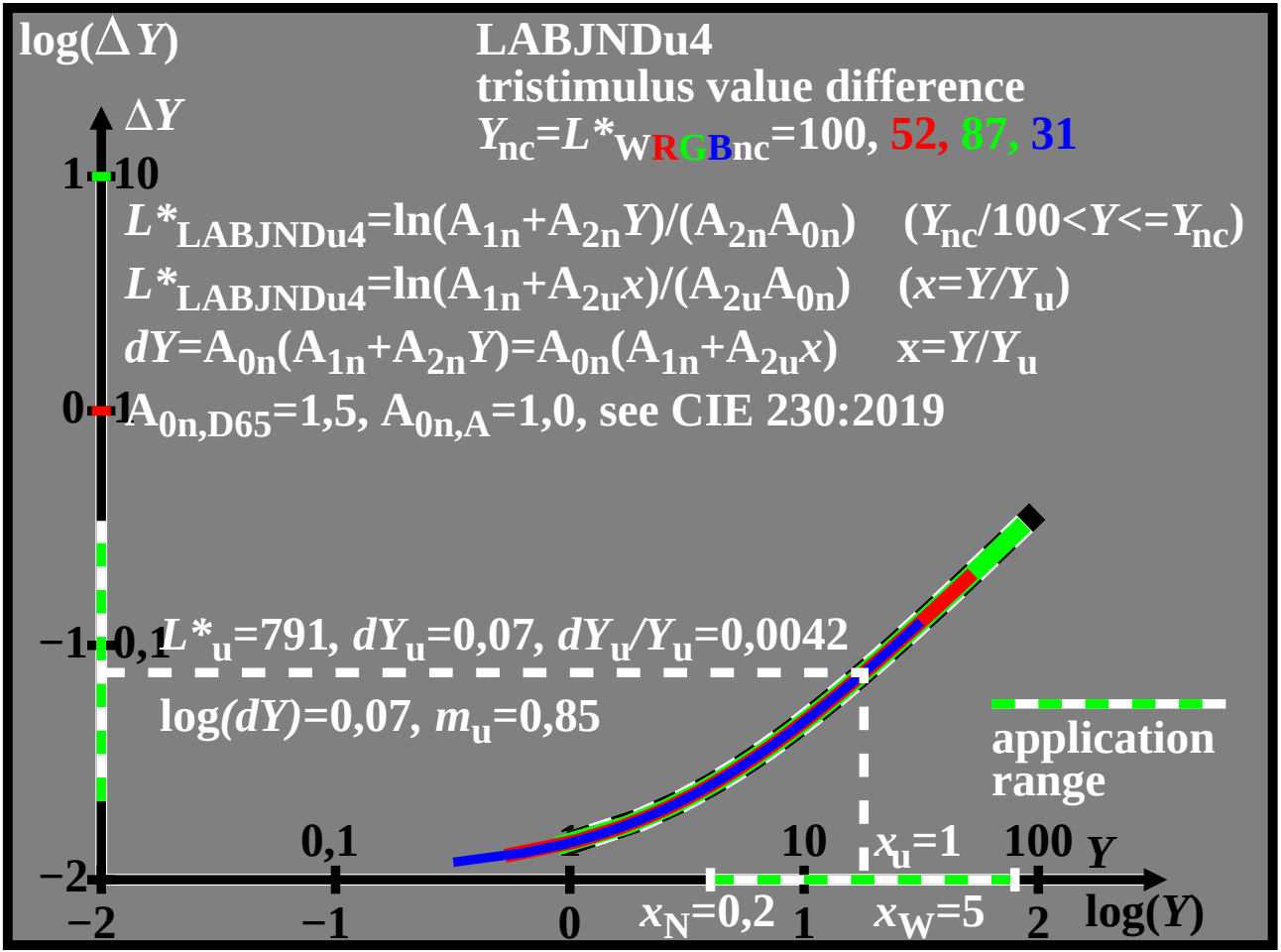
log(ΔY)
LABJNDu4
tristimulus value difference
Ync=L*WRGBnc=100, 52, 87, 31
ΔY
1 10
L*LABJNDu4=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
L*LABJNDu4=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY=A0n(A1n+A2nY)=A0n(A1n+A2ux) x=Y/Yu
0 1
A0n,D65=1,5, A0n,A=1,0, see CIE 230:2019
−1 0,1
L*u=791, dYu=0,07, dYu/Yu=0,0042
log(dY)=0,07, mu=0,85
application range
0,1
10
xu=1
100
Y
−2
−2
−1
0
xN=0,2
1
xW=5
2
log(Y)