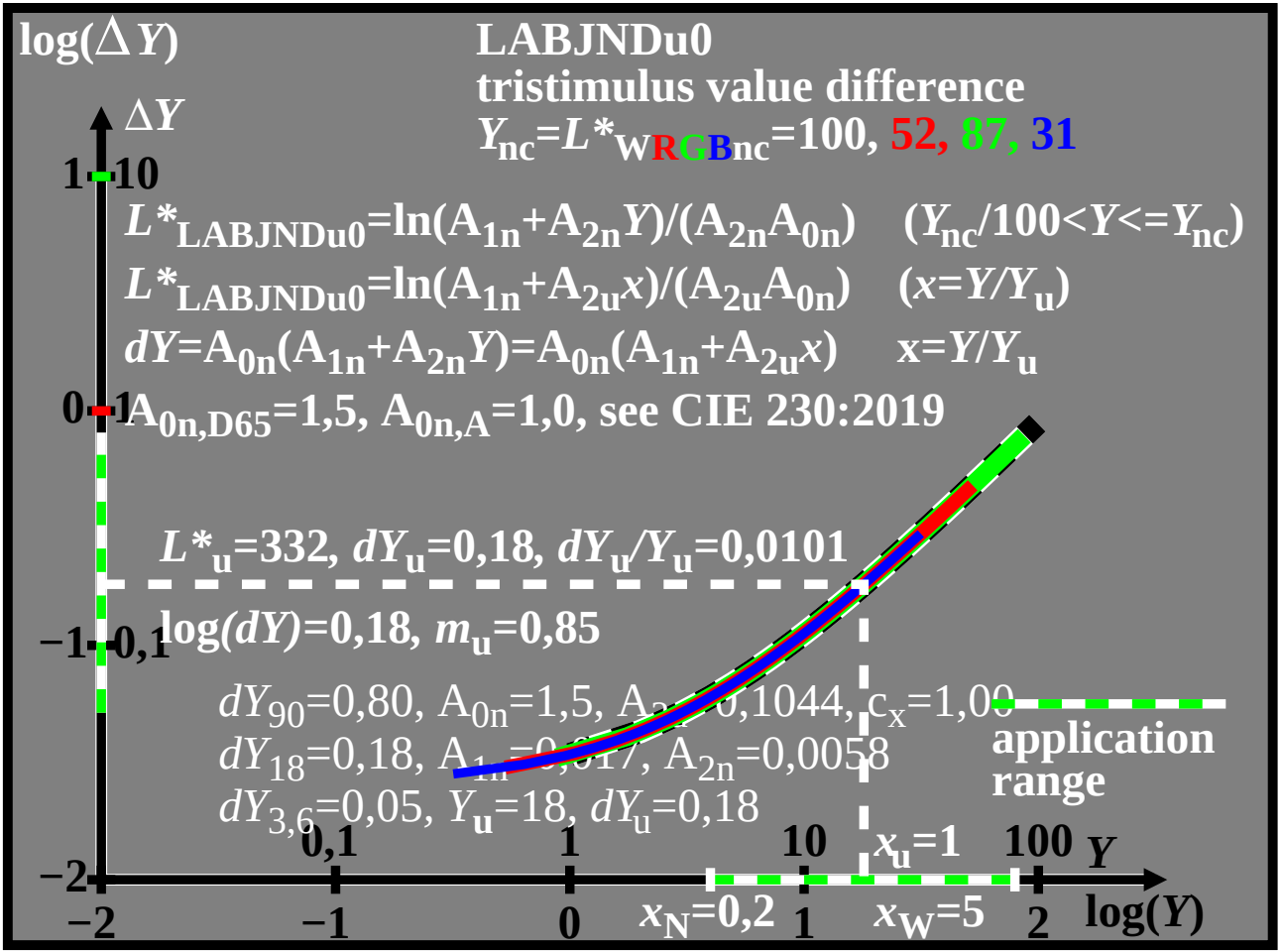
log(ΔY)
LABJNDu0
tristimulus value difference
Ync=L*WRGBnc=100, 52, 87, 31
ΔY
1 10
L*LABJNDu0=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
L*LABJNDu0=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY=A0n(A1n+A2nY)=A0n(A1n+A2ux) x=Y/Yu
0 1
A0n,D65=1,5, A0n,A=1,0, see CIE 230:2019
L*u=332, dYu=0,18, dYu/Yu=0,0101
−1 0,1
log(dY)=0,18, mu=0,85
dY90=0,80, A0n=1,5, A3n=0,1044, cx=1,00
dY18=0,18, A1n=0,017, A2n=0,0058
dY3,6=0,05, Yu=18, duY=0,18
application range
0,1 1 10 xu=1 100 Y
−2
−2 −1 0 xN=0,2 1 xW=5 2 log(Y)

CEG01−3A