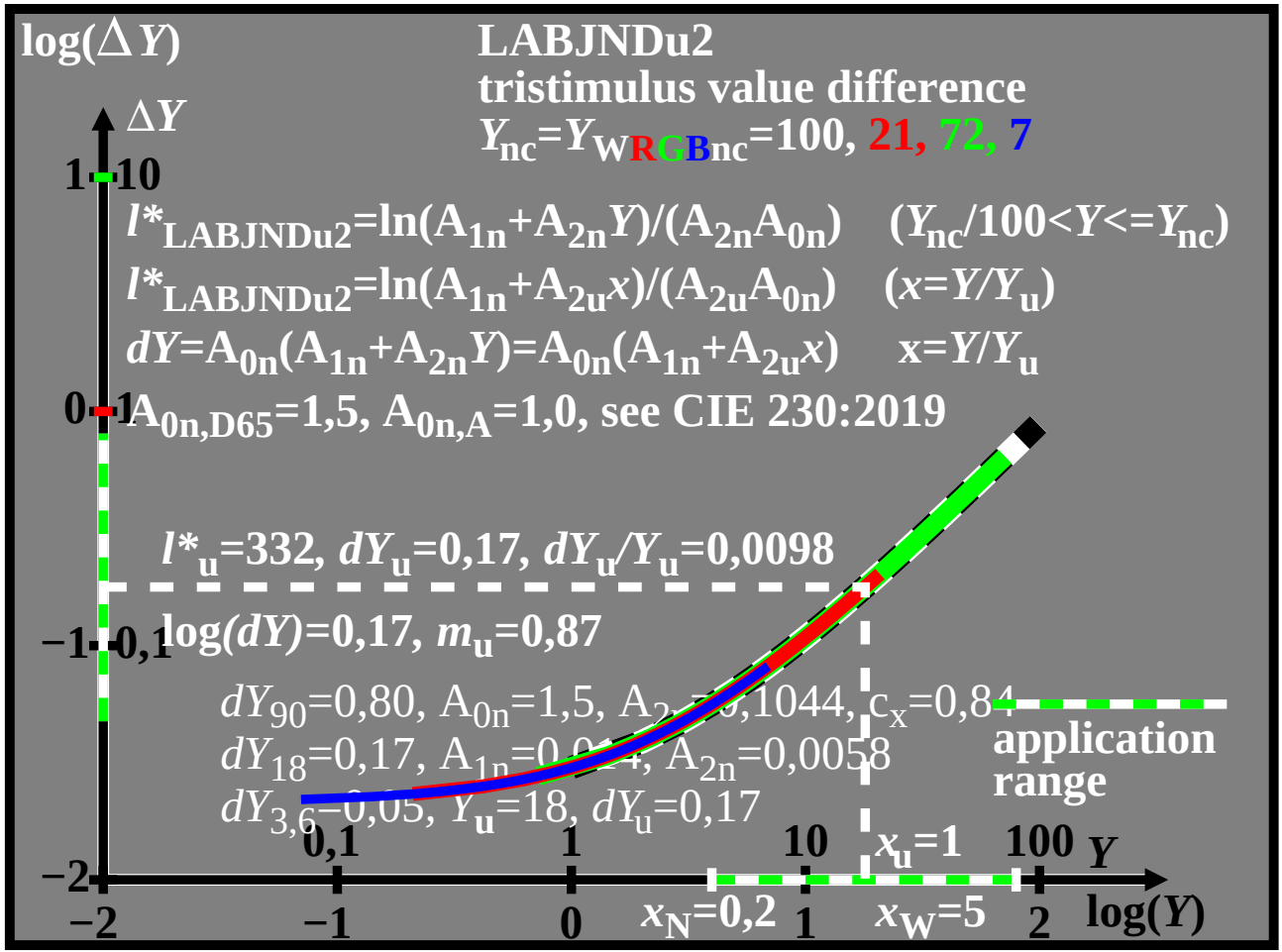
log(ΔY)
LABJNDu2
tristimulus value difference
Ync=YWRGBnc=100, 21, 72, 7
ΔY
1
10
l*LABJNDu2=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
l*LABJNDu2=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY=A0n(A1n+A2nY)=A0n(A1n+A2ux) x=Y/Yu
0
1
A0n,D65=1,5, A0n,A=1,0, see CIE 230:2019
l*u=332, dYu=0,17, dYu/Yu=0,0098
−1
0,1
log(dY)=0,17, mu=0,87
dY90=0,80, A0n=1,5, A2n=0,1044, cx=0,84
dY18=0,17, A1n=0,0214, A2n=0,0058
dY3,6=0,05, Yu=18, dYu=0,17
application range
0,1
1
10
xu=1
100
Y
−2
−2
−1
0
xN=0,2
1
xW=5
2
log(Y)