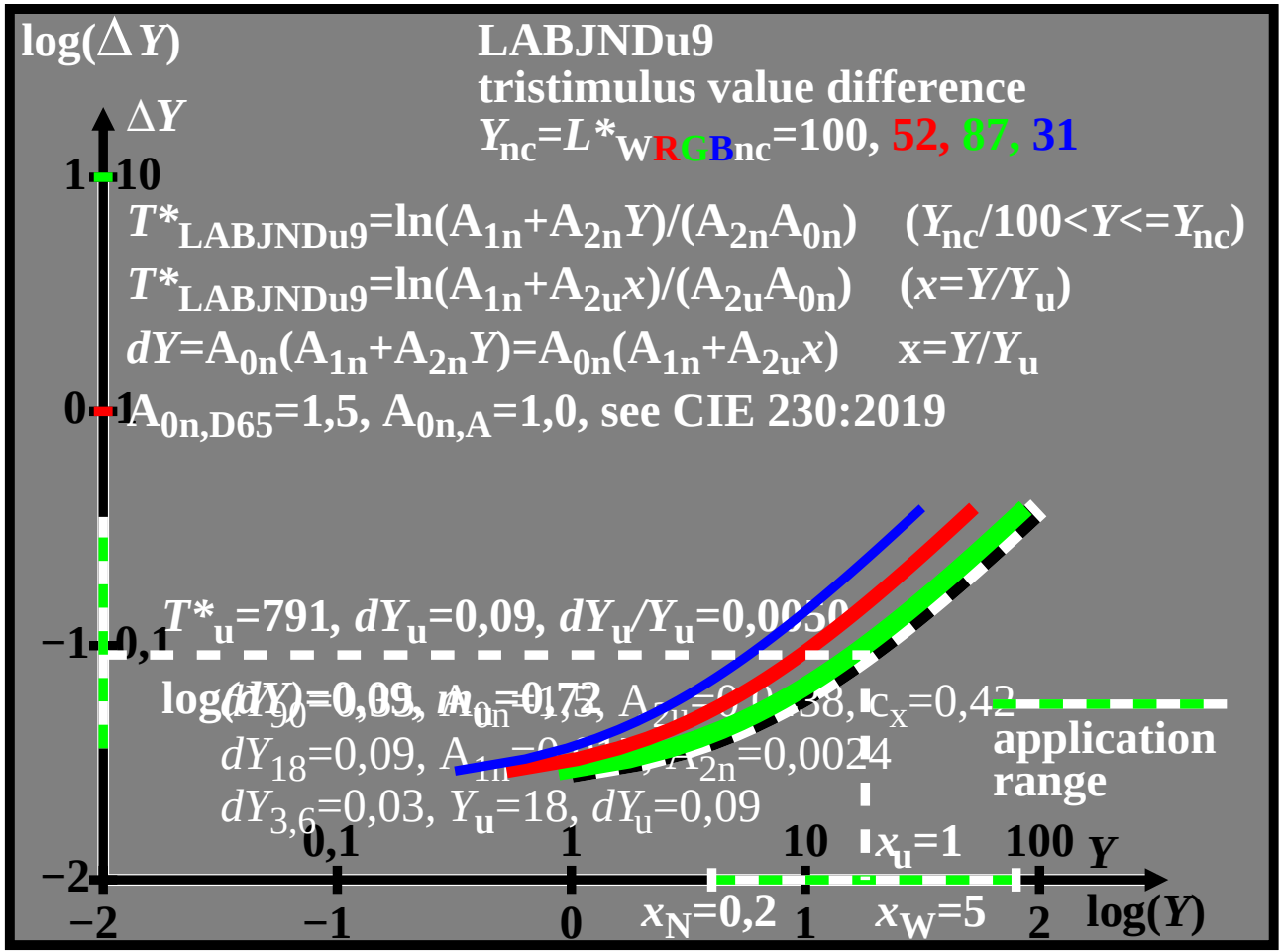
log(ΔY)
LABJNDu9
tristimulus value difference
Ync=L*WRGBnc=100, 52, 87, 31
ΔY
1
10
T*LABJNDu9=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu9=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY=A0n(A1n+A2nY)=A0n(A1n+A2ux) x=Y/Yu
0
1
A0n,D65=1,5, A0n,A=1,0, see CIE 230:2019
T*u=791, dYu=0,09, dYu/Yu=0,0050
−1
0,1
log(dY)=0,09, n=0,73, A0n=0,172, A2n=0,0038, cx=0,42
dY90=0,33, dY18=0,09, A1n=0,0, A2n=0,0024
dY3,6=0,03, Yu=18, dYu=0,09
application range
0,1
1
10
xu=1
100
Y
−2
−2
−1
0
xN=0,2
1
xW=5
2
log(Y)