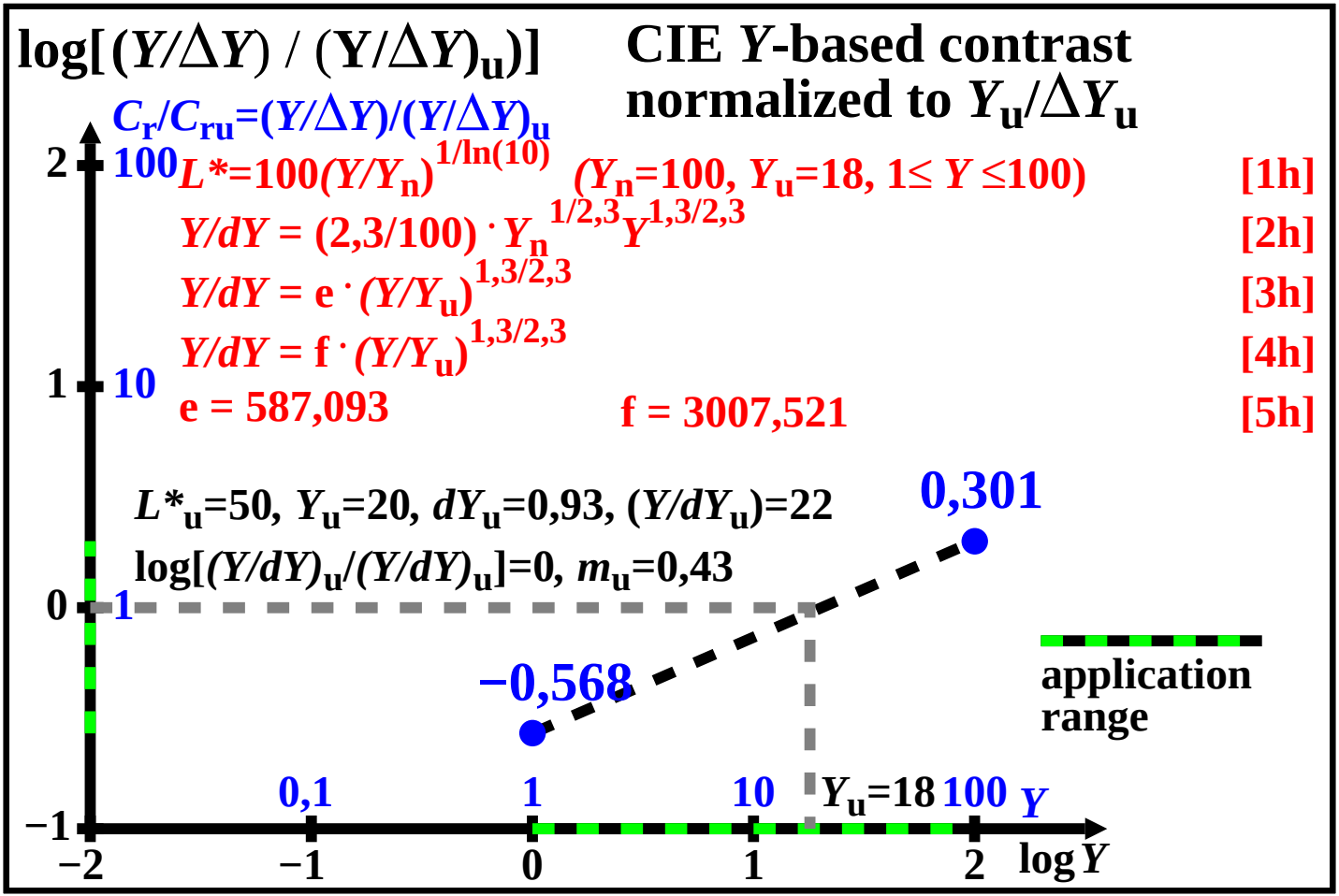
log[(Y/ΔY) / (Y/ΔY)u)]
CIE Y-based contrast normalized to Yu/ΔYu
Cr/Cru=(Y/ΔY)/(Y/ΔY)u
100
L*=100(Y/Yn)1/ln(10)
(Yn=100, Yu=18, 1≤ Y ≤100)
[1h]
Y/dY = (2,3/100) · Yn1/2,3Y1,3/2,3
[2h]
Y/dY = e · (Y/Yu)1,3/2,3
[3h]
Y/dY = f · (Y/Yu)1,3/2,3
[4h]
10
e = 587,093
f = 3007,521
[5h]
L*u=50, Yu=20, dYu=0,93, (Y/dYu)=22
log[(Y/dY)u/(Y/dY)u]=0, mu=0,43
0,301
−0,568
1
application range
0,1
10
Yu=18
100
Y
log Y
2
1
0
−1
−2

hec90−8a