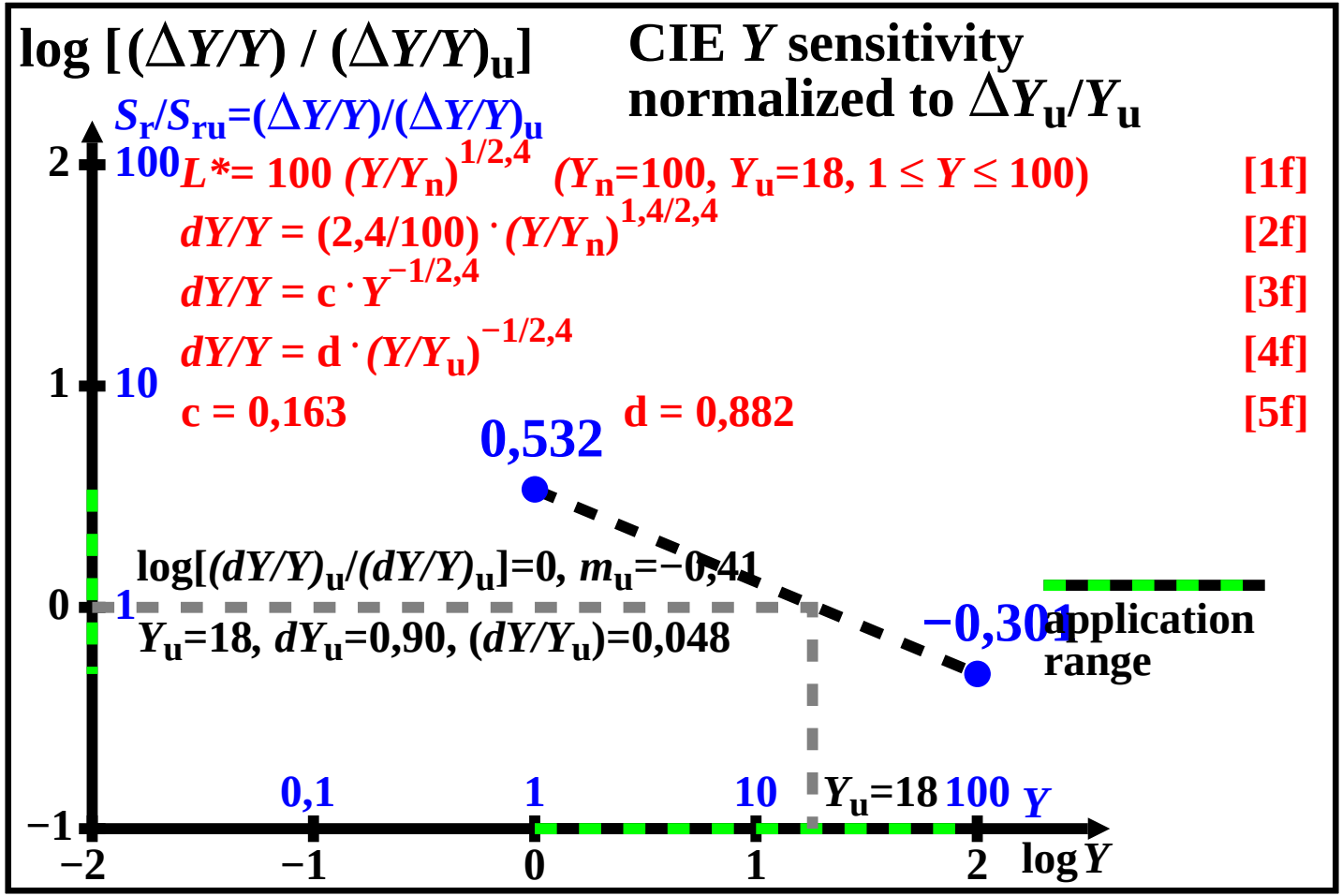
log [(ΔY/Y) / (ΔY/Y)u]
CIE Y sensitivity
normalized to ΔYu/Yu
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
100
L*= 100 (Y/Yn)1/2,4 (Yn=100, Yu=18, 1 ≤ Y ≤ 100) [1f]
dY/Y = (2,4/100) · (Y/Yn)1,4/2,4 [2f]
dY/Y = c · Y−1/2,4 [3f]
dY/Y = d · (Y/Yu)−1/2,4 [4f]
c = 0,163
d = 0,882 [5f]
10
1
0,532
log[(dY/Y)u/(dY/Y)u]=0, mu=−0,41
Yu=18, dYu=0,90, (dY/Yu)=0,048
−0,301
application range
0,1
10
Yu=18
100
Y
log Y
2
0
−1
−2

hec70−7a