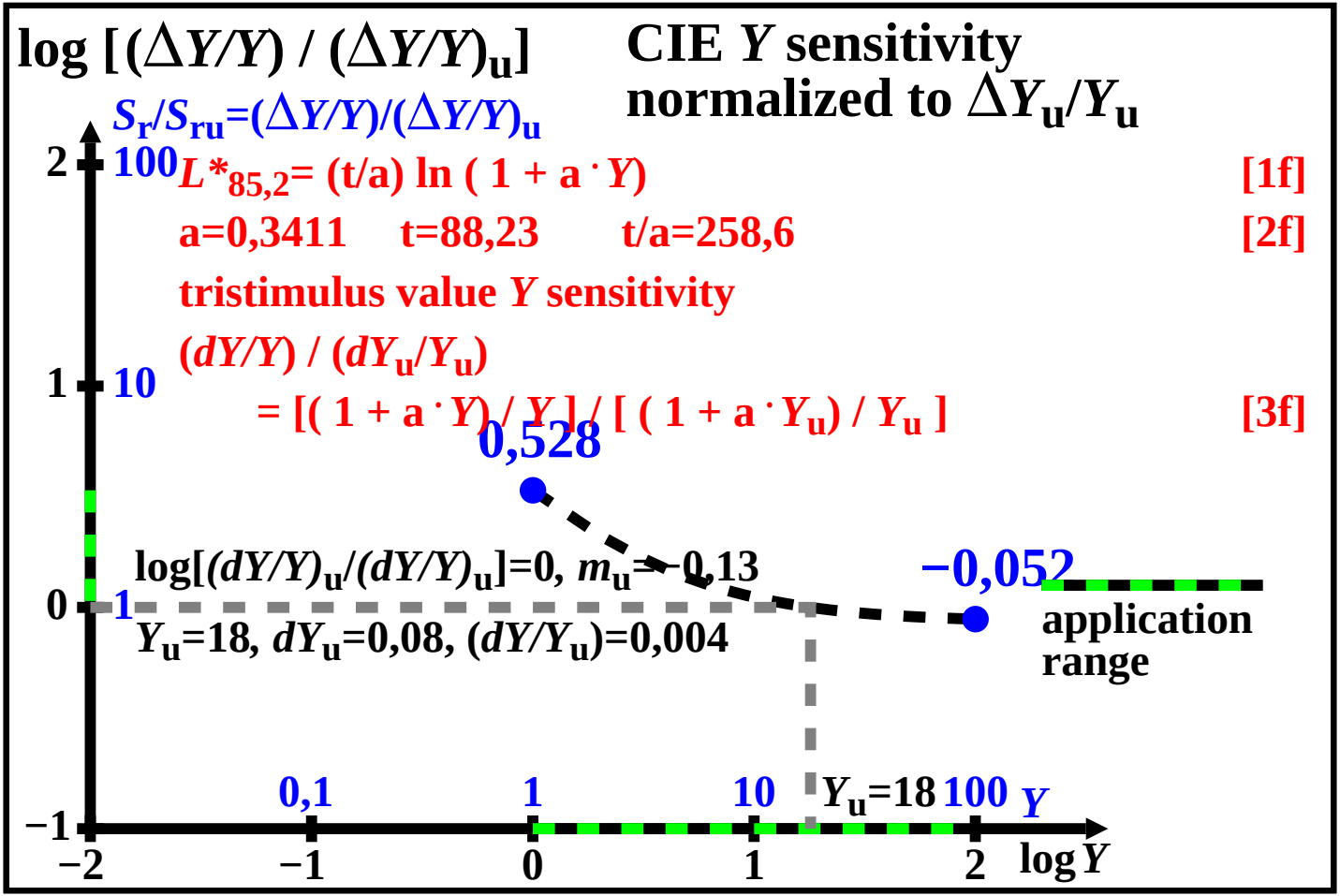
log [(ΔY/Y) / (ΔY/Y)u]
CIE Y sensitivity
normalized to ΔYu/Yu
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
2
100
L*85,2= (t/a) ln (1 + a · Y)
[1f]
a=0,3411 t=88,23 t/a=258,6
[2f]
tristimulus value Y sensitivity
(dY/Y) / (dYu/Yu)
= [(1 + a · Y) / Y] / [(1 + a · Yu) / Yu]
[3f]
1
10
0,528
log[(dY/Y)u/(dY/Y)u]=0, mu=−0,13
−0,052
0
1
Yu=18, dYu=0,08, (dY/Yu)=0,004
application
range
0,1
1
10
Yu=18
100
Y
−1
−2
−1
0
1
2
log Y

hec70−3a