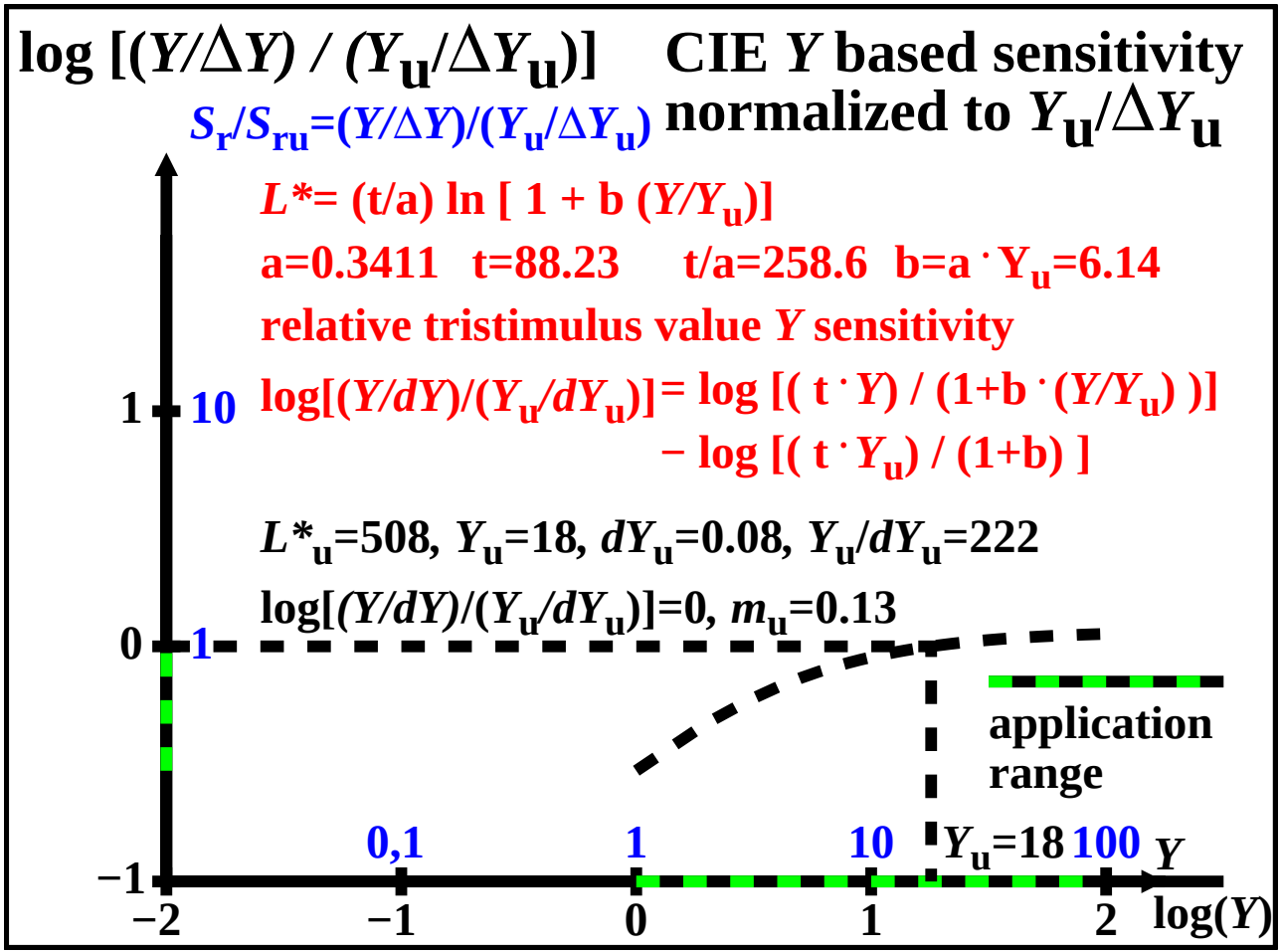
log [(Y/ΔY) / (Yu/ΔYu)]
CIE Y based sensitivity normalized to Yu/ΔYu
Sr/Sru=(Y/ΔY)/(Yu/ΔYu)
L*= (t/a) ln [1 + b (Y/Yu)]
a=0.3411 t=88.23 t/a=258.6 b=a · Yu=6.14
relative tristimulus value Y sensitivity
log[(Y/dY)/(Yu/dYu)]= log [(t · Y) / (1+b · (Y/Yu))]
− log [(t · Yu) / (1+b)]
L*u=508, Yu=18, dYu=0.08, Yu/dYu=222
log[(Y/dY)/(Yu/dYu)]=0, mu=0.13
1
10
0
1
−1
0,1
1
10
Yu=18
100
Y
application range
−2
−1
0
1
2
log(Y)

YE021−8A_1