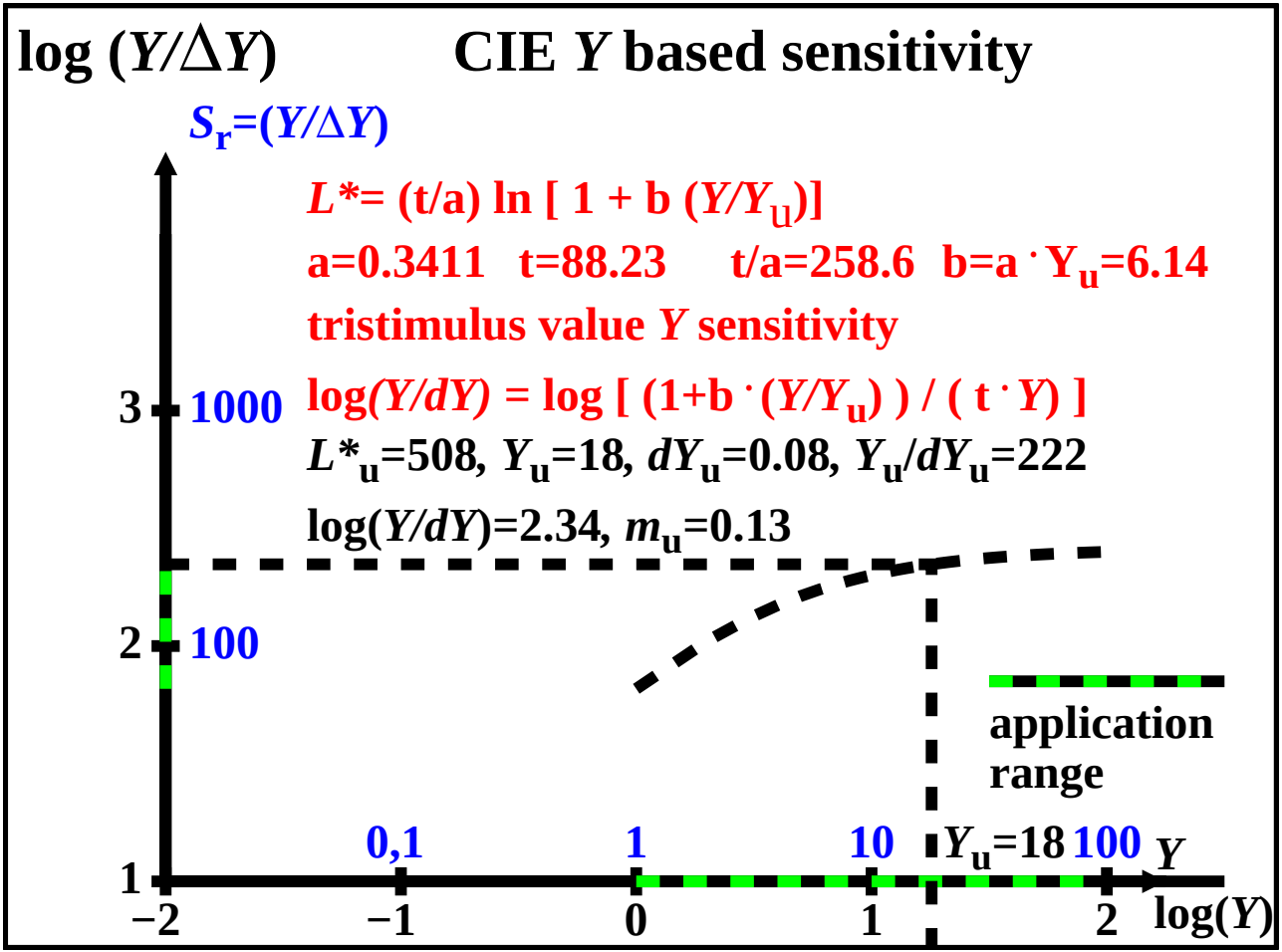
log (Y/ΔY)
CIE Y based sensitivity
S_r=(Y/ΔY)
L*= (t/a) ln [1 + b (Y/Y_u)]
a=0.3411 t=88.23 t/a=258.6 b=a · Y_u=6.14
tristimulus value Y sensitivity
log(Y/dY) = log [(1+b · (Y/Y_u)) / (t · Y)]
L*_u=508, Y_u=18, dY_u=0.08, Y_u/dY_u=222
log(Y/dY)=2.34, m_u=0.13
3
1000
2
100
1
application range
0,1
1
10
Y_u=18
100
Y
−2
−1
0
1
2
log(Y)

YE021−7A_1