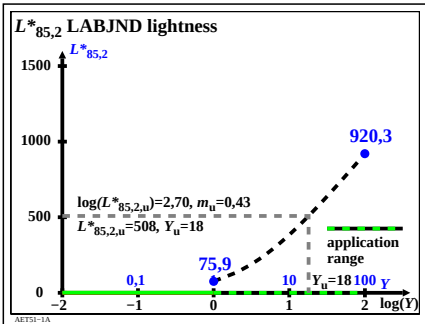
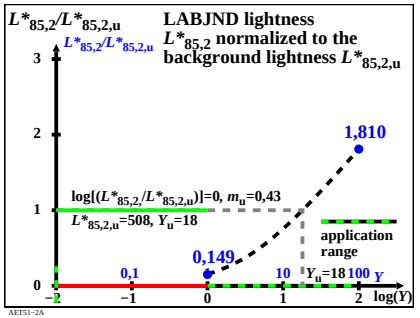
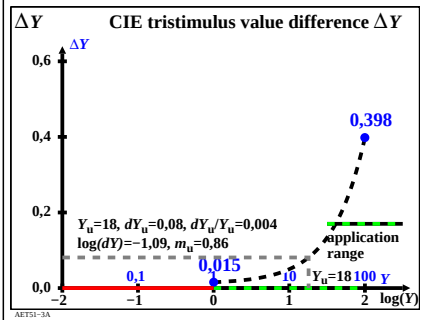
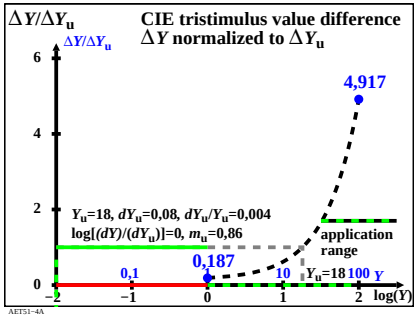
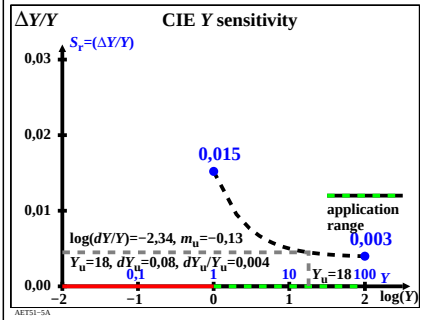
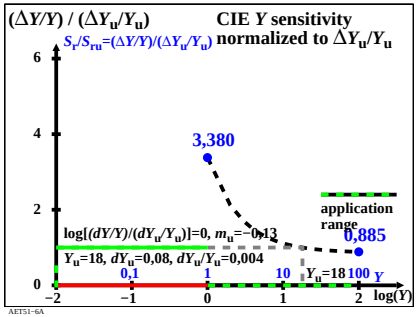

L*85,2 LABJND lightness
L*85,2
1500
1000
500
0
920,3
log(L*85,2,u)=2,70, mu=0,43
L*85,2,u=508, Yu=18
75,9
application range
0,1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−1A

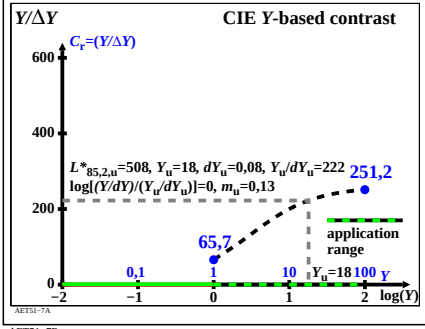

L*85,2/L*85,2,u
LABJND lightness
L*85,2 normalized to the background lightness L*85,2,u
L*85,2/L*85,2,u
3
2
1
0
1,810
log[(L*85,2/L*85,2,u)]=0, mu=0,43
L*85,2,u=508, Yu=18
0,149
application range
0,1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−2A

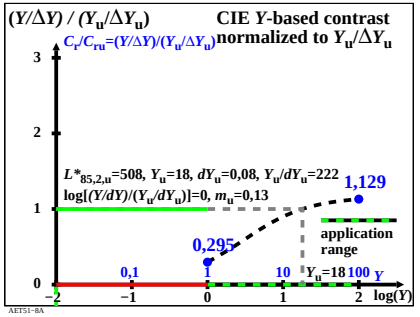

ΔY
CIE tristimulus value difference ΔY
ΔY
0,6
0,4
0,2
0,0
0,398
Yu=18, dYu=0,08, dYu/Yu=0,004
log(dY)=−1,09, mu=0,86
application range
0,015
0,1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−3A


ΔY/ΔYu
CIE tristimulus value difference ΔY normalized to ΔYu
ΔY/ΔYu
6
4
2
0
4,917
Yu=18, dYu=0,08, dYu/Yu=0,004
log[(dY)/(dYu)]=0, mu=0,86
application range
0,187
0,1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−4A


ΔY/Y
CIE Y sensitivity
Sr=(ΔY/Y)
0,03
0,02
0,01
0,00
0,015
log(dY/Y)=−2,34, mu=−0,13
Yu=18, dYu=0,08, dYu/Yu=0,004
application range
0,003
0,1
1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−5A


(ΔY/Y) / (ΔYu/Yu)
CIE Y sensitivity normalized to ΔYu/Yu
Sr/Sru=(ΔY/Y)/(ΔYu/Yu)
6
4
2
0
3,380
log[(dY/Y)/(dYu/Yu)]=0, mu=−0,13
Yu=18, dYu=0,08, dYu/Yu=0,004
application range
0,885
0,1
1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−6A


Y/ΔY
CIE Y-based contrast
Cr=(Y/ΔY)
600
400
200
0
251,2
L*85,2,u=508, Yu=18, dYu=0,08, Yu/dYu=222
log[(Y/dY)/(Yu/dYu)]=0, mu=0,13
65,7
application range
0,1
1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−7A


(Y/ΔY) / (Yu/ΔYu)
CIE Y-based contrast normalized to Yu/ΔYu
Cr/Cru=(Y/ΔY)/(Yu/ΔYu)
3
2
1
0
1,129
L*85,2,u=508, Yu=18, dYu=0,08, Yu/dYu=222
log[(Y/dY)/(Yu/dYu)]=0, mu=0,13
0,295
application range
0,1
1
10
Yu=18
100
Y
−2
−1
0
1
2
log(Y)
AET51−8A

AET51−7R