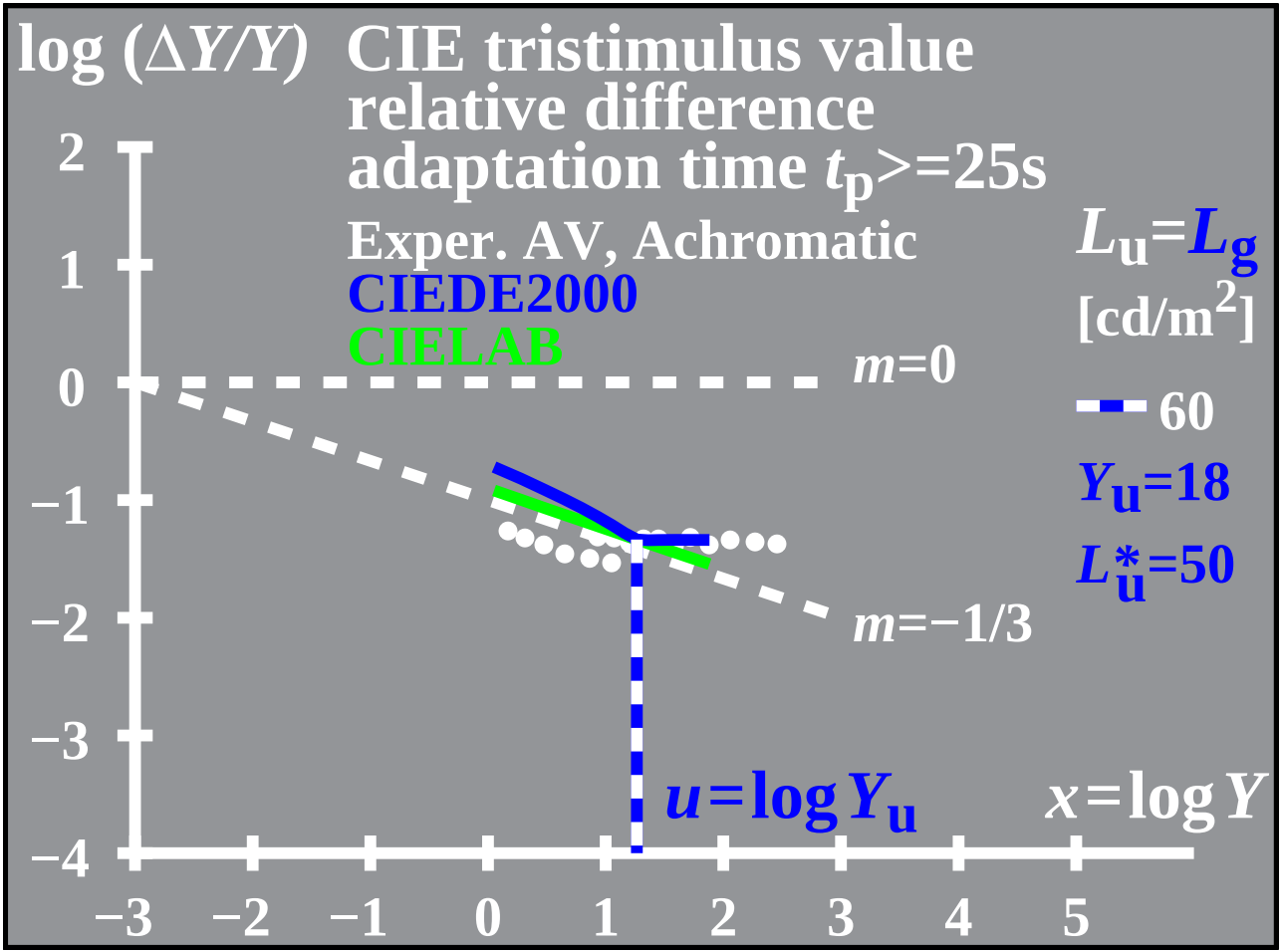
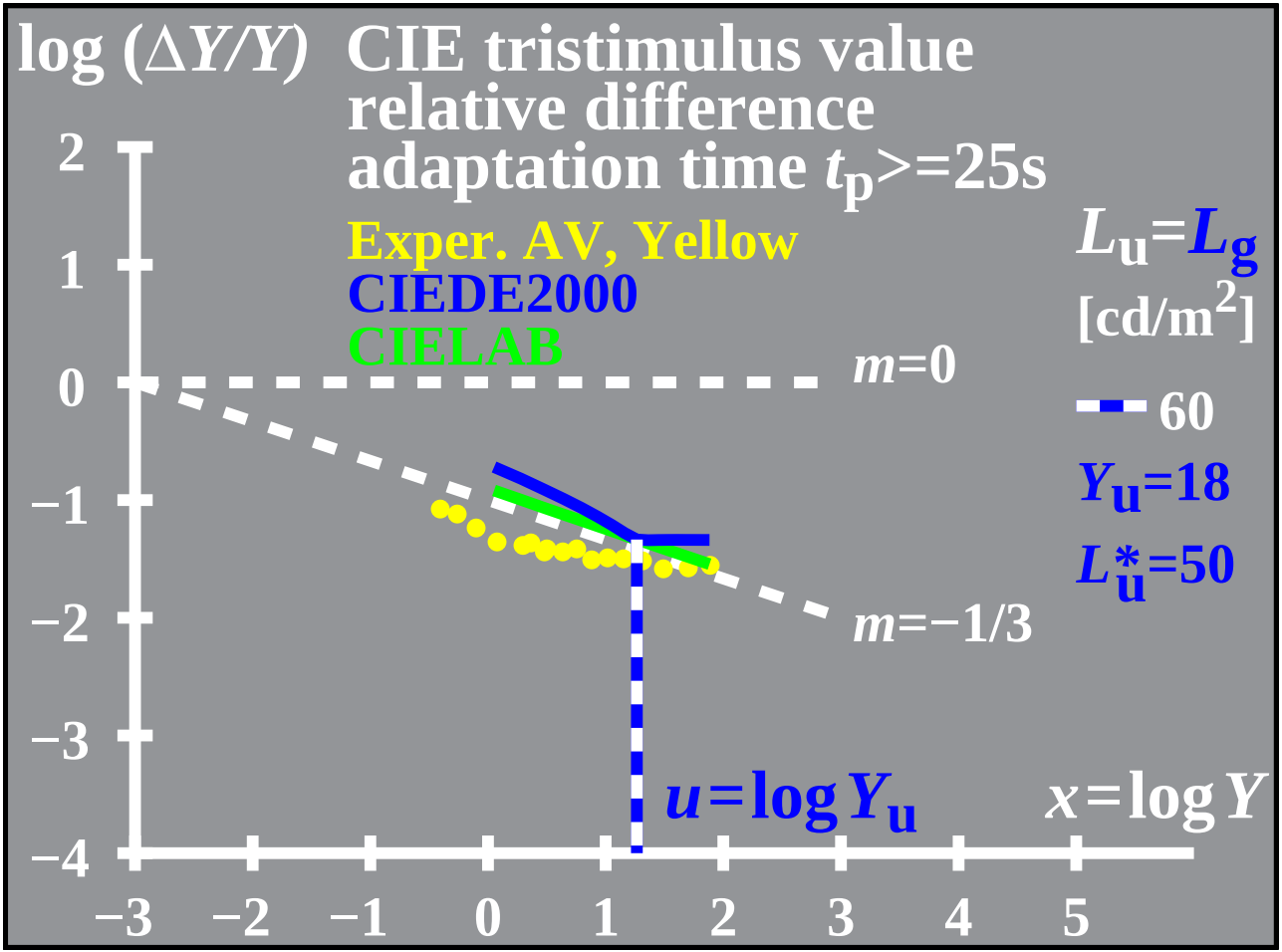
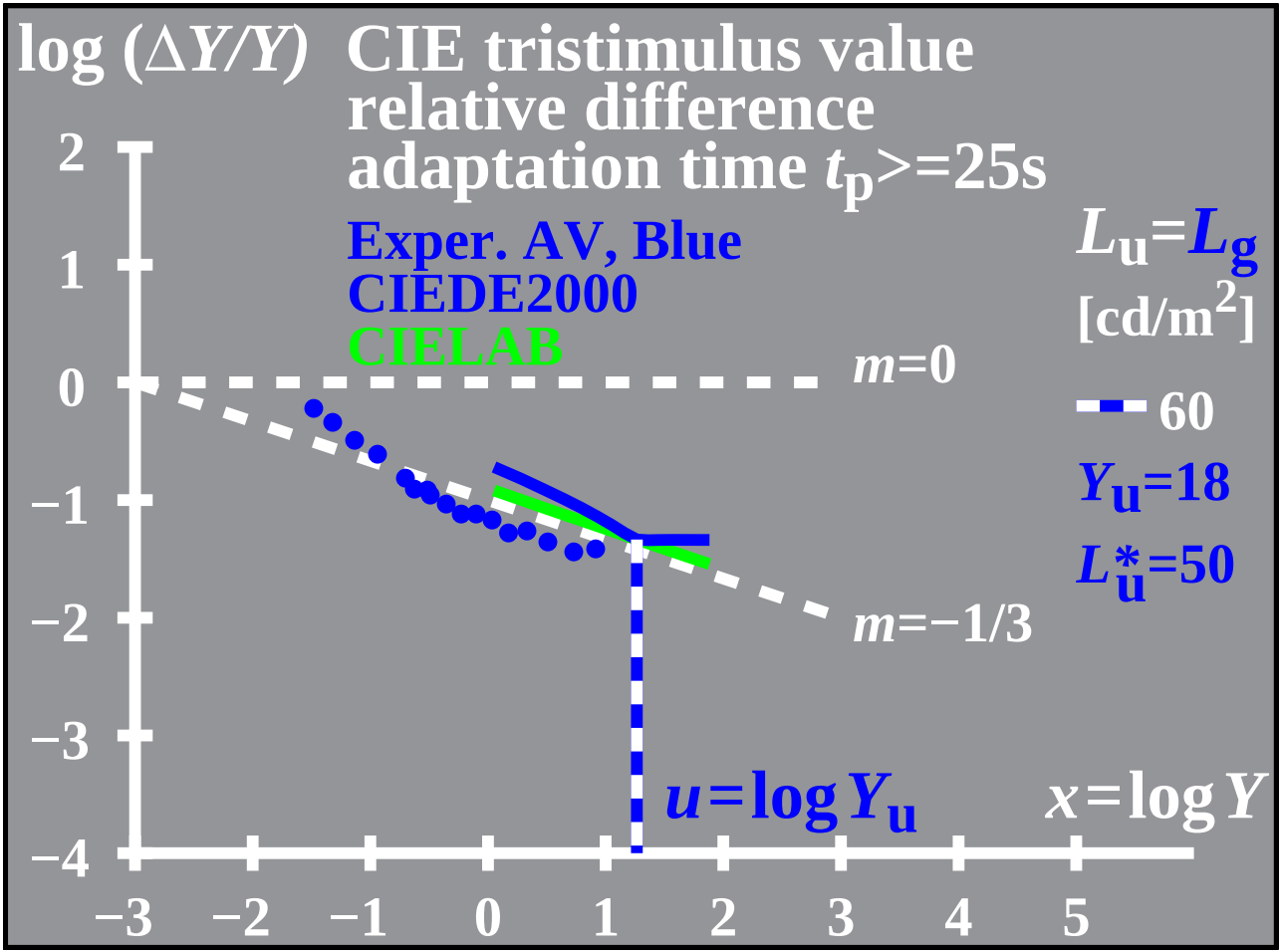

log (ΔY/Y)
CIE tristimulus value
relative difference
adaptation time t_p>=25s
Exper. AV, Achromatic
CIEDE2000
CIELAB
$L_u=L_g$
[cd/m^2]
60
Y_u=18
L^*_u=50
m=0
m=−1/3
$u=\log Y_u$
$x=\log Y$
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5

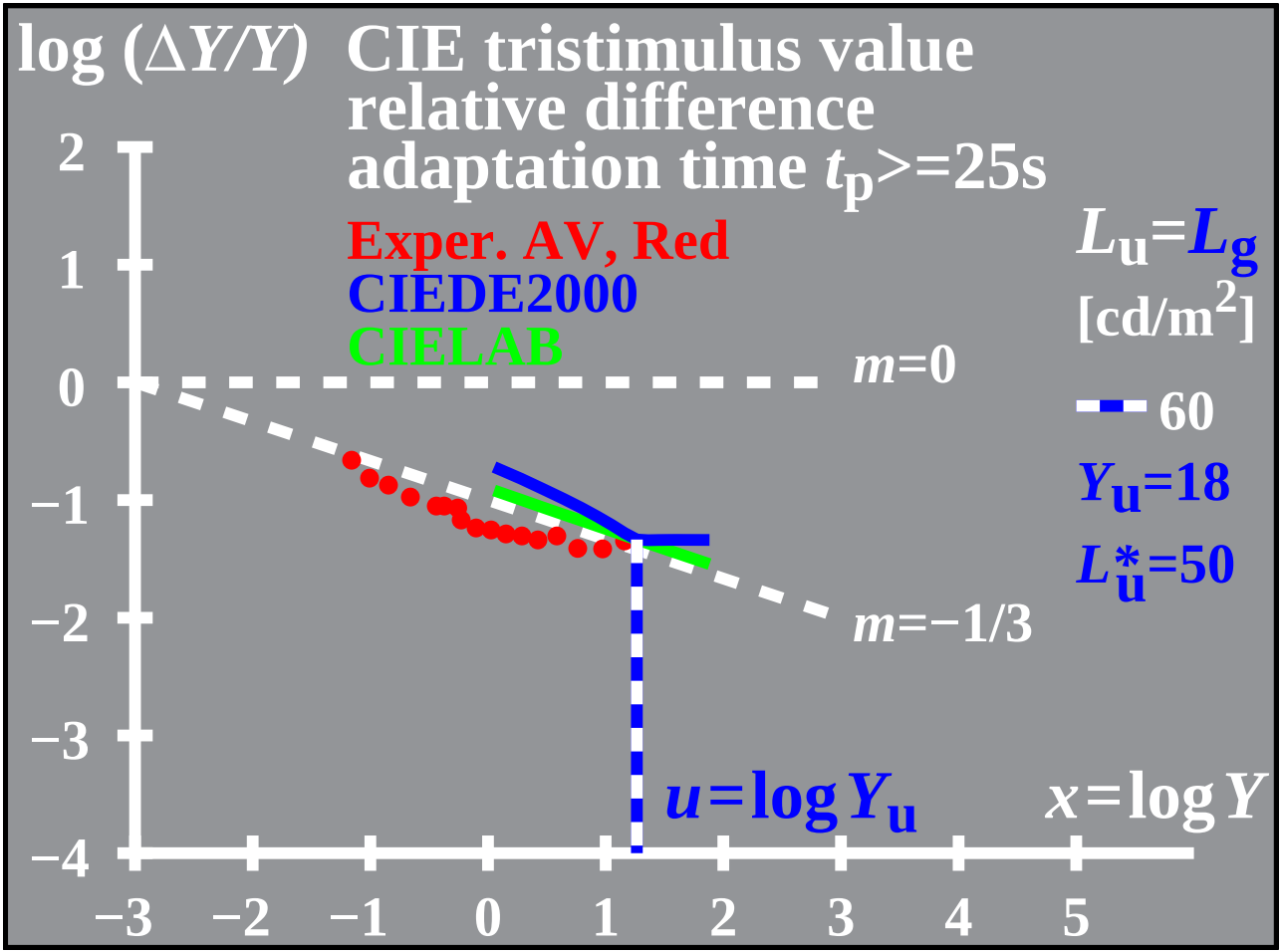
UE780−3A_1


log (ΔY/Y)
CIE tristimulus value
relative difference
adaptation time t_p>=25s
Exper. AV, Yellow
CIEDE2000
CIELAB
$L_u=L_g$
[cd/m^2]
60
Y_u=18
L^*_u=50
m=0
m=−1/3
$u=\log Y_u$
$x=\log Y$
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5

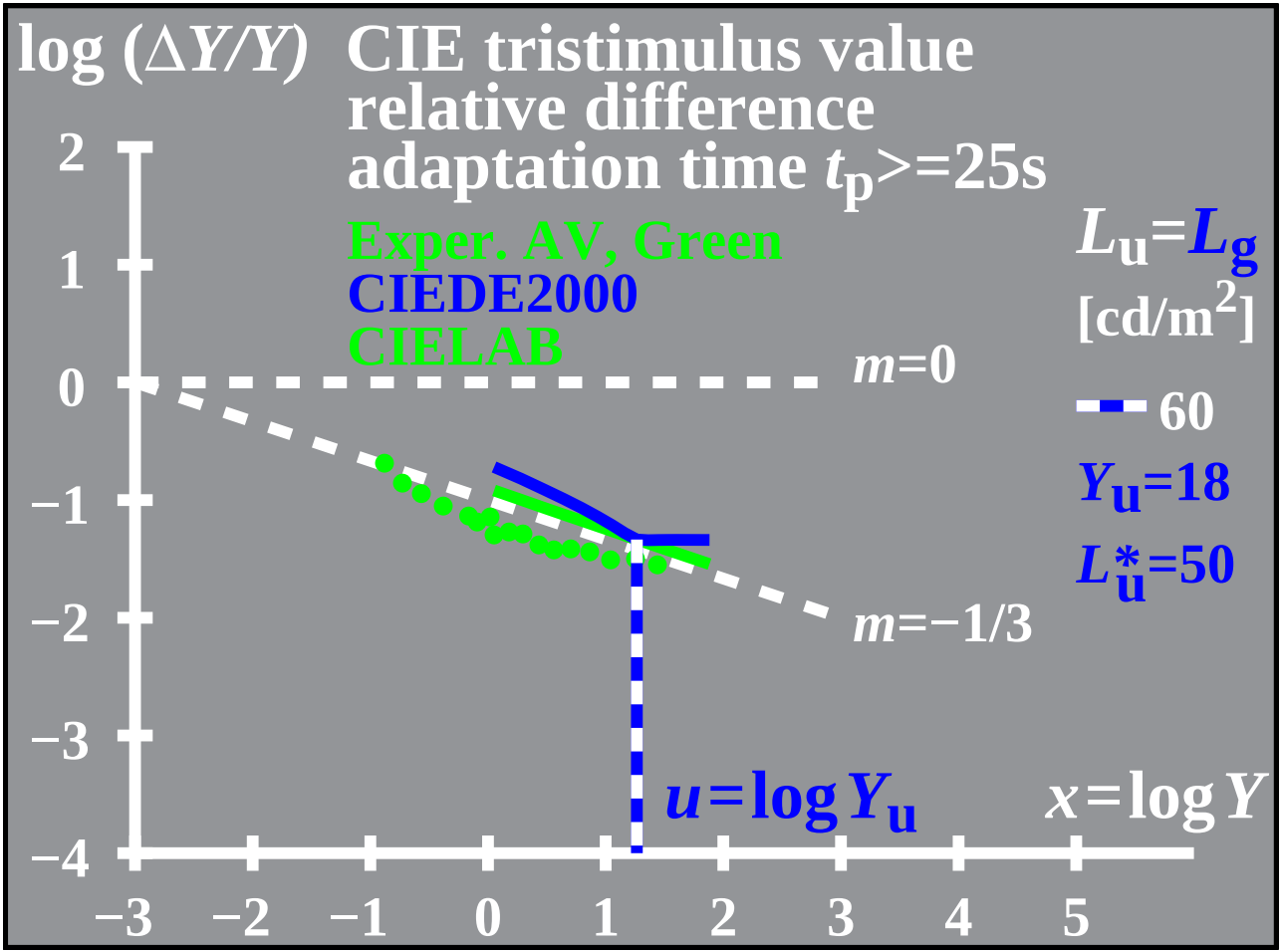
UE780−3A_2


log (ΔY/Y)
CIE tristimulus value
relative difference
adaptation time t_p>=25s
Exper. AV, Blue
CIEDE2000
CIELAB
$L_u=L_g$
[cd/m^2]
60
Y_u=18
L^*_u=50
m=0
m=−1/3
$u=\log Y_u$
$x=\log Y$
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5

UE780−3A_3


log (ΔY/Y)
CIE tristimulus value
relative difference
adaptation time t_p>=25s
Exper. AV, Red
CIEDE2000
CIELAB
L_u=L_g
[cd/m^2]
60
Y_u=18
L^*_u=50
m=0
m=−1/3
u=log Y_u
x=log Y
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5

UE780−3A_4


log (ΔY/Y)
CIE tristimulus value
relative difference
adaptation time t_p>=25s
Exper. AV, Green
CIEDE2000
CIELAB
$L_u=L_g$
[cd/m^2]
60
Y_u=18
L^*_u=50
m=0
m=−1/3
$u=\log Y_u$
$x=\log Y$
2
1
0
−1
−2
−3
−4
−3
−2
−1
0
1
2
3
4
5

UE780−3A_5