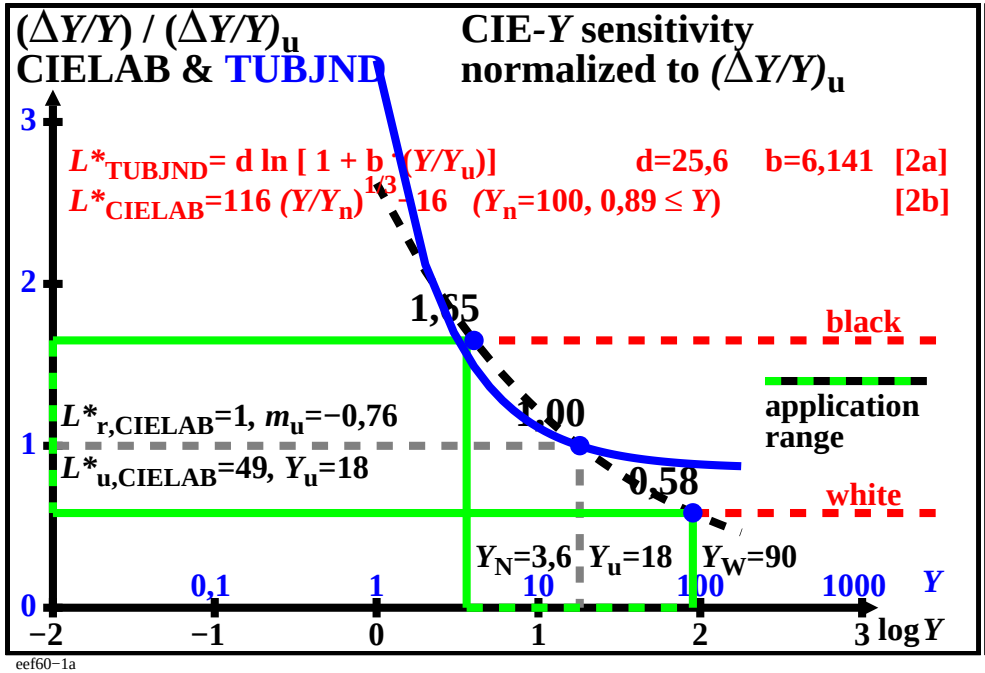
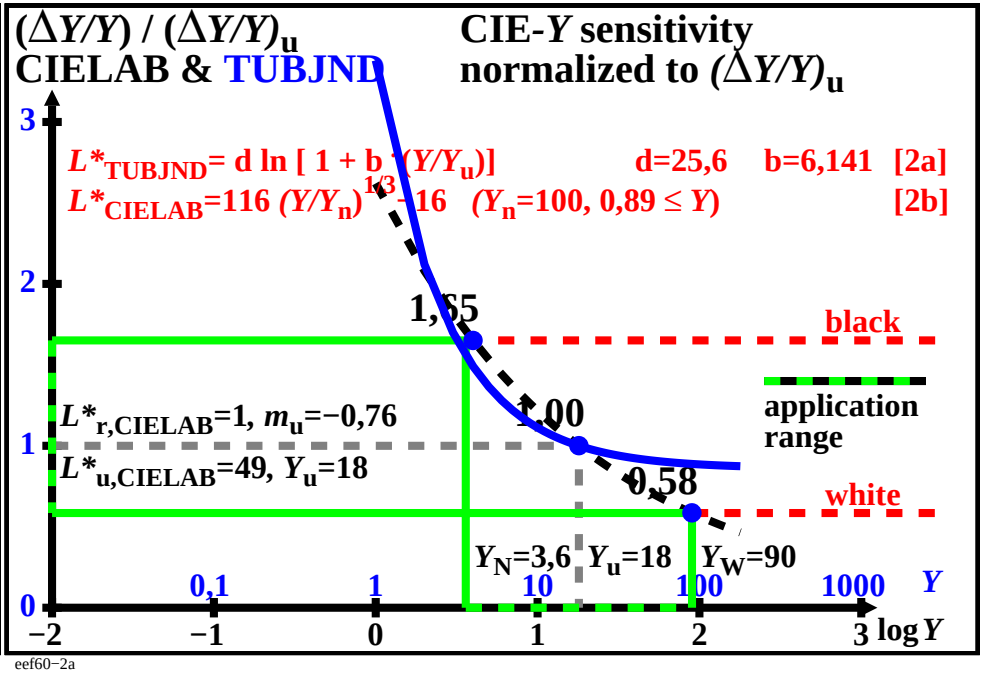

(ΔY/Y) / (ΔY/Y)u
CIELAB & TUBJND
CIE-Y sensitivity
normalized to (ΔY/Y)u
L*TUBJND= d ln [1 + b (Y/Yu)] d=25,6 b=6,141 [2a]
L*CIELAB=116 (Y/Yn)1/3 −16 (Yn=100, 0,89 ≤ Y) [2b]
1,55
1,00
0,58
black
white
application range
L*r,CIELAB=1, mu=−0,76
L*u,CIELAB=49, Yu=18
YN=3,6 Yu=18 YW=90
0,1
1
10
100
1000
Y
log Y
eef60−1a


(ΔY/Y) / (ΔY/Y)u
CIELAB & TUBJND
CIE-Y sensitivity
normalized to (ΔY/Y)u
L*TUBJND= d ln [1 + b (Y/Yu)] d=25,6 b=6,141 [2a]
L*CIELAB=116 (Y/Yn)1/3 −16 (Yn=100, 0,89 ≤ Y) [2b]
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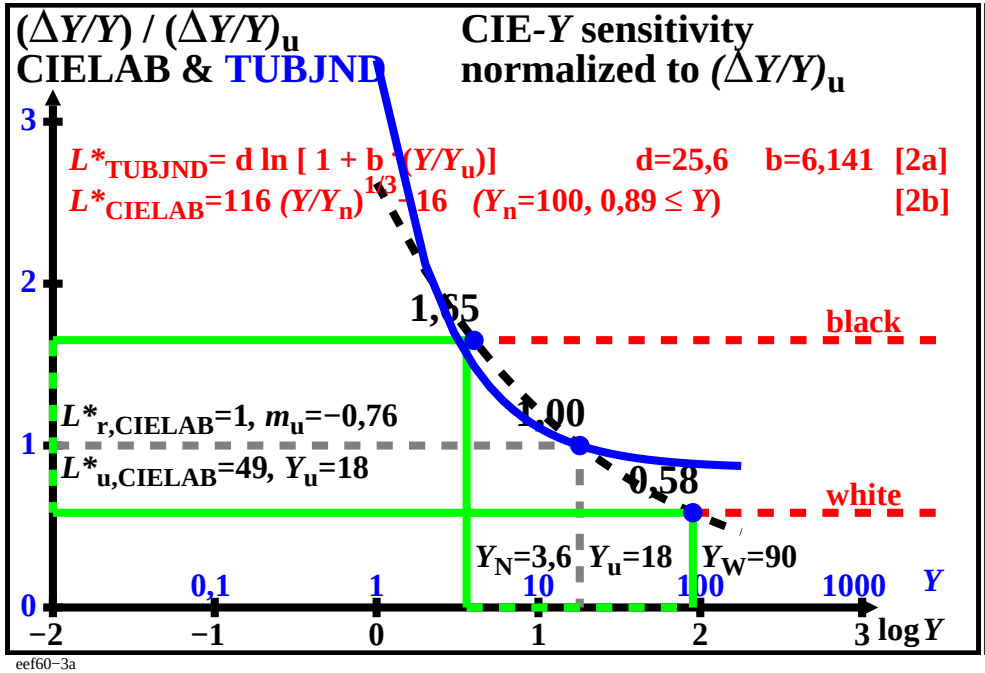
L*u,CIELAB=49, Yu=18
YN=3,6 Yu=18 YW=90
0,1
1
10
100
1000
Y
log Y
eef60−2a


(ΔY/Y) / (ΔY/Y)u
CIELAB & TUBJND
CIE-Y sensitivity
normalized to (ΔY/Y)u
L*TUBJND= d ln [1 + b (Y/Yu)] d=25,6 b=6,141 [2a]
L*CIELAB=116 (Y/Yn)1/3 −16 (Yn=100, 0,89 ≤ Y) [2b]
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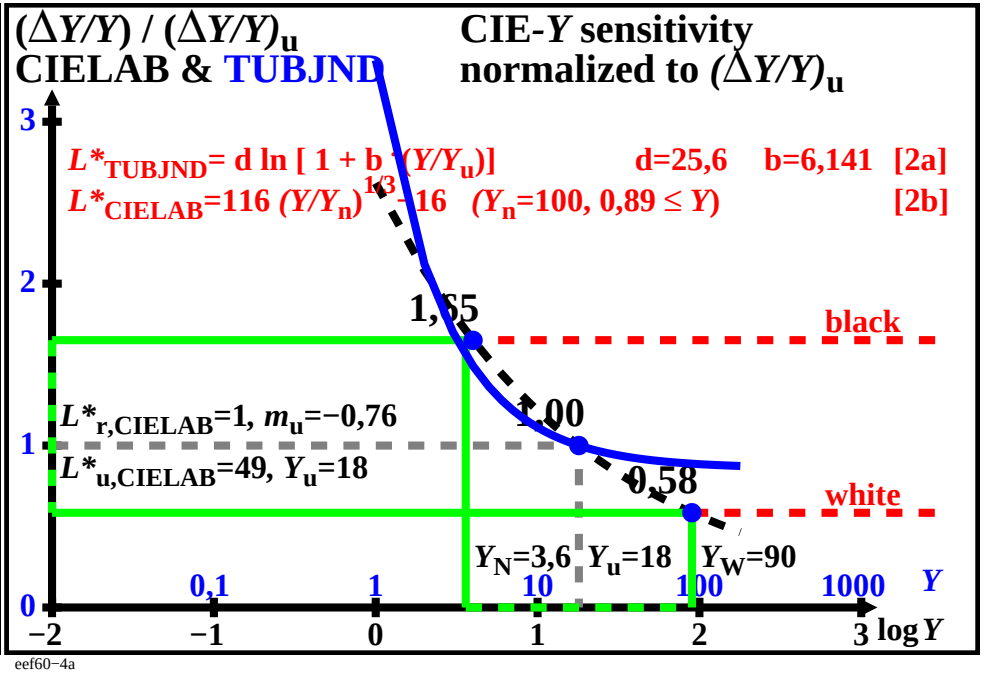
1,00
0,58
black
white
L*r,CIELAB=1, mu=−0,76
L*u,CIELAB=49, Yu=18
YN=3,6 Yu=18 YW=90
0,1
1
10
100
1000
Y
log Y
eef60−3a


(ΔY/Y) / (ΔY/Y)u
CIELAB & TUBJND
CIE-Y sensitivity
normalized to (ΔY/Y)u
L*TUBJND= d ln [1 + b (Y/Yu)] d=25,6 b=6,141 [2a]
L*CIELAB=116 (Y/Yn)1/3 −16 (Yn=100, 0,89 ≤ Y) [2b]
1,55
1,00
0,58
black
white
L*r,CIELAB=1, mu=−0,76
L*u,CIELAB=49, Yu=18
YN=3,6 Yu=18 YW=90
0,1
1
10
100
1000
Y
log Y
eef60−4a

eef60−3n