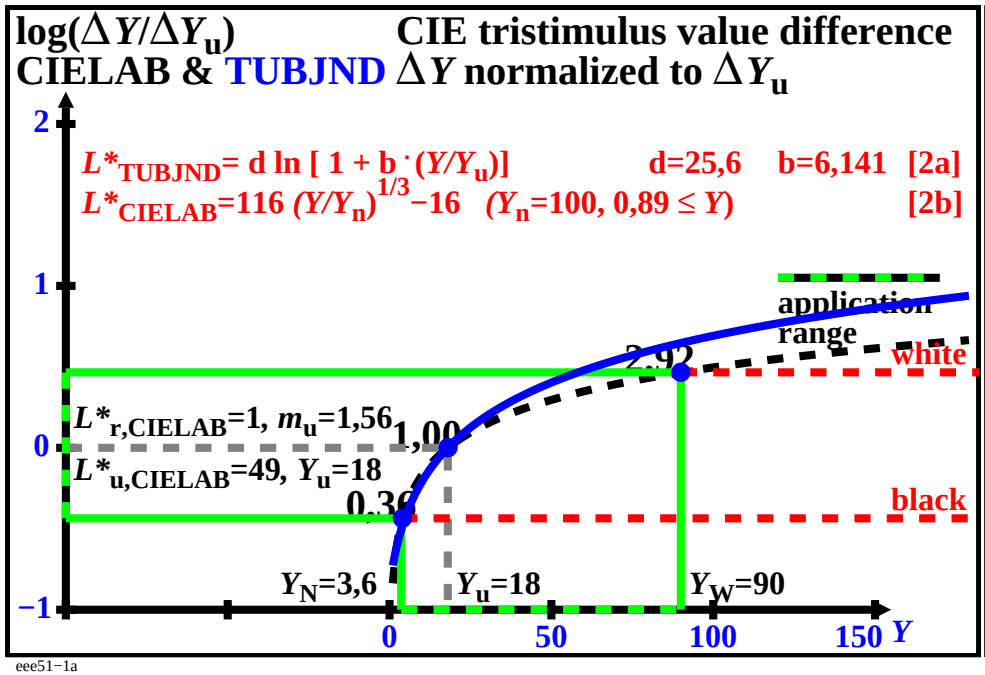
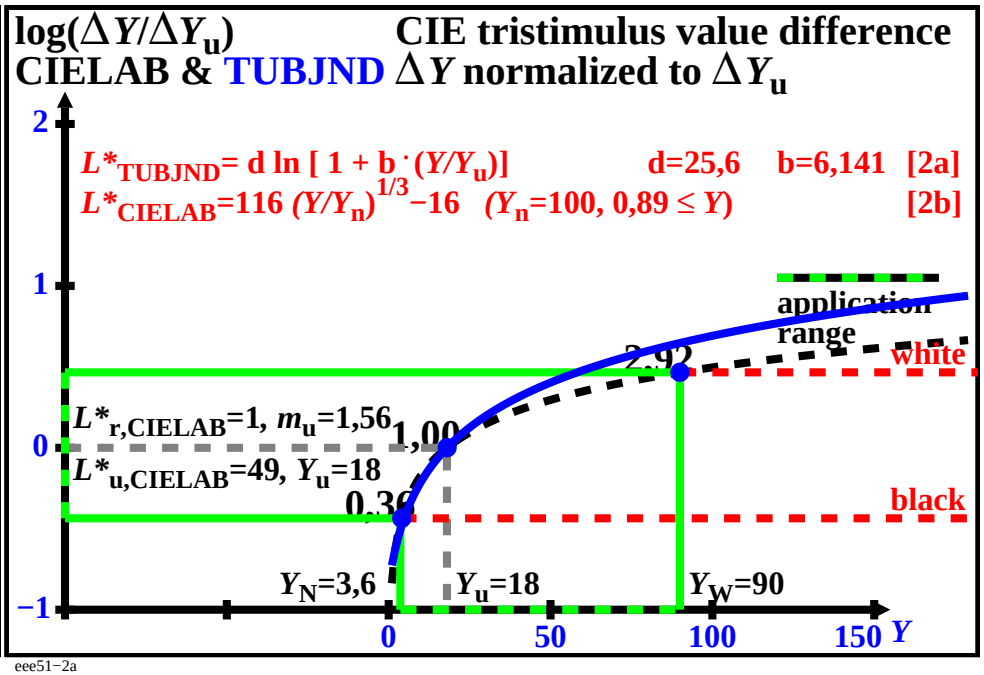

log(ΔY/ΔYu) CIE tristimulus value difference
CIELAB & TUBJND ΔY normalized to ΔYu
L*TUBJND= d ln [1 + b·(Y/Yu)] d=25,6 b=6,141 [2a]
L*CIELAB=116 (Y/Yn)1/3−16 (Yn=100, 0,89 ≤ Y) [2b]
application range
white
black
2,92
1,00
0,36
L*r,CIELAB=1, mu=1,56
L*u,CIELAB=49, Yu=18
YN=3,6
Yu=18
YW=90
2
1
0
−1
0
50
100
150
Y
eee51−1a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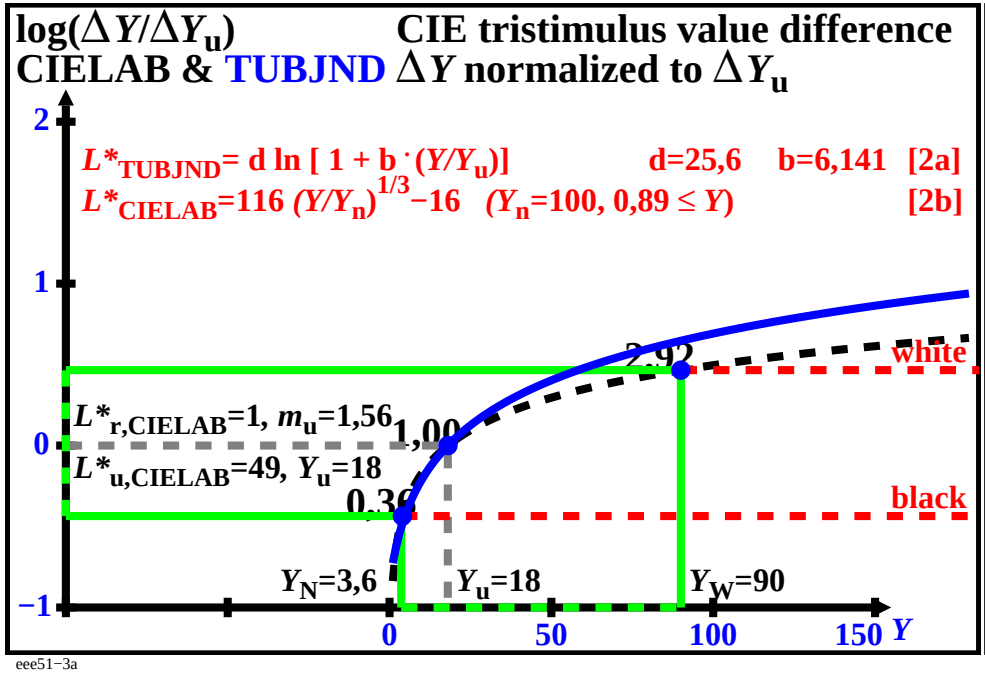
L*u,CIELAB=49, Yu=18
YN=3,6
Yu=18
YW=90
2
1
0
−1
0
50
100
150
Y
eee51−2a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white
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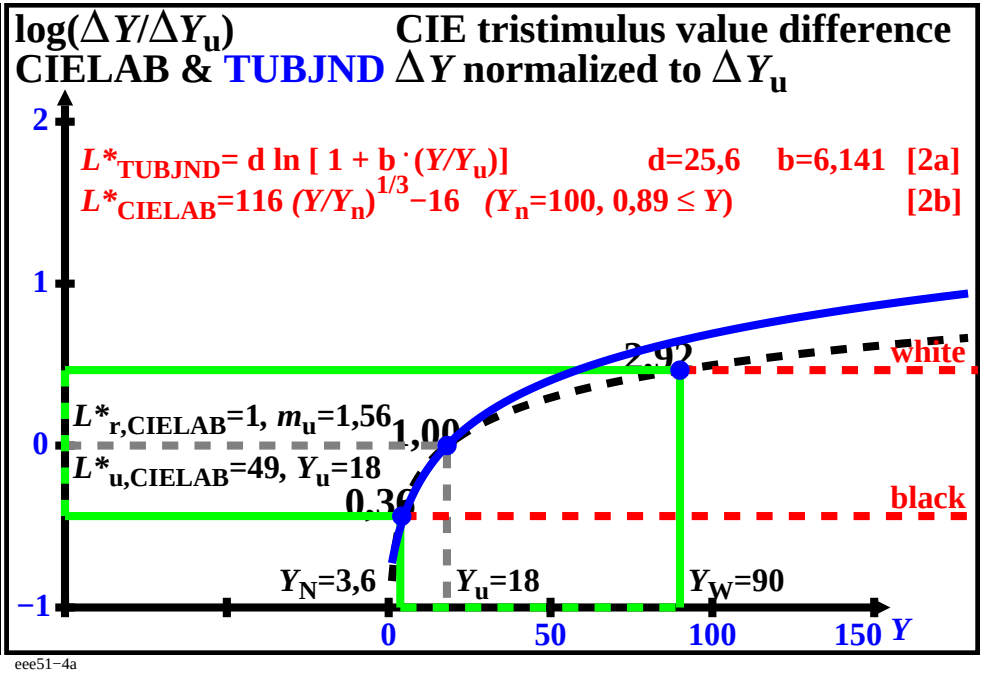
2,92
1,00
0,36
L*r,CIELAB=1, mu=1,56
L*u,CIELAB=49, Yu=18
YN=3,6
Yu=18
YW=90
2
1
0
−1
0
50
100
150
Y
eee51−3a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2,92
1,00
0,36
L*r,CIELAB=1, mu=1,56
L*u,CIELAB=49, Yu=18
YN=3,6
Yu=18
YW=90
2
1
0
−1
0
50
100
150
Y
eee51−4a

eee51−3n