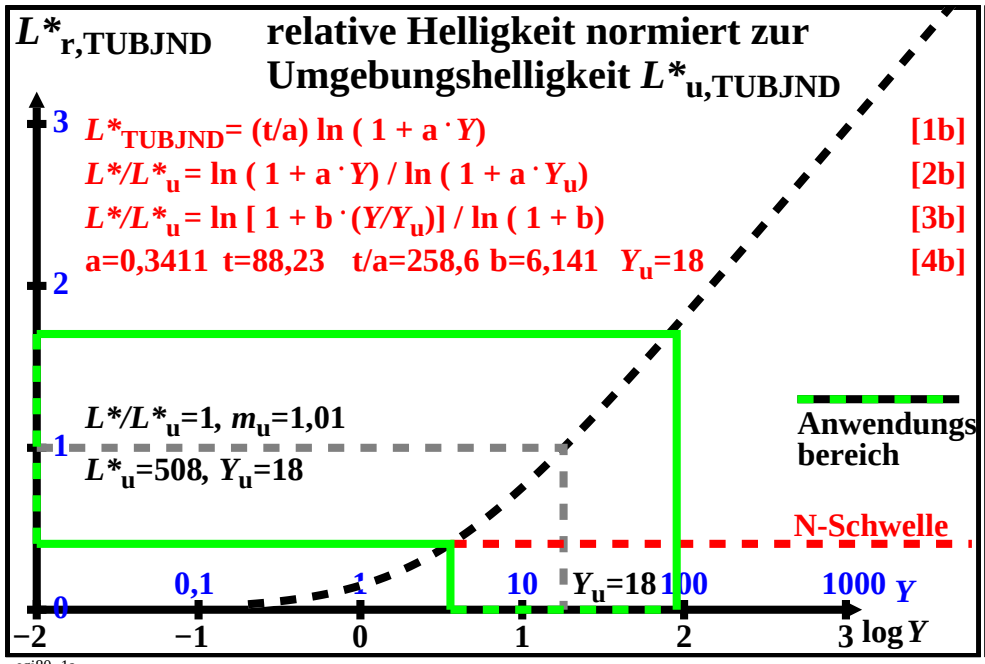
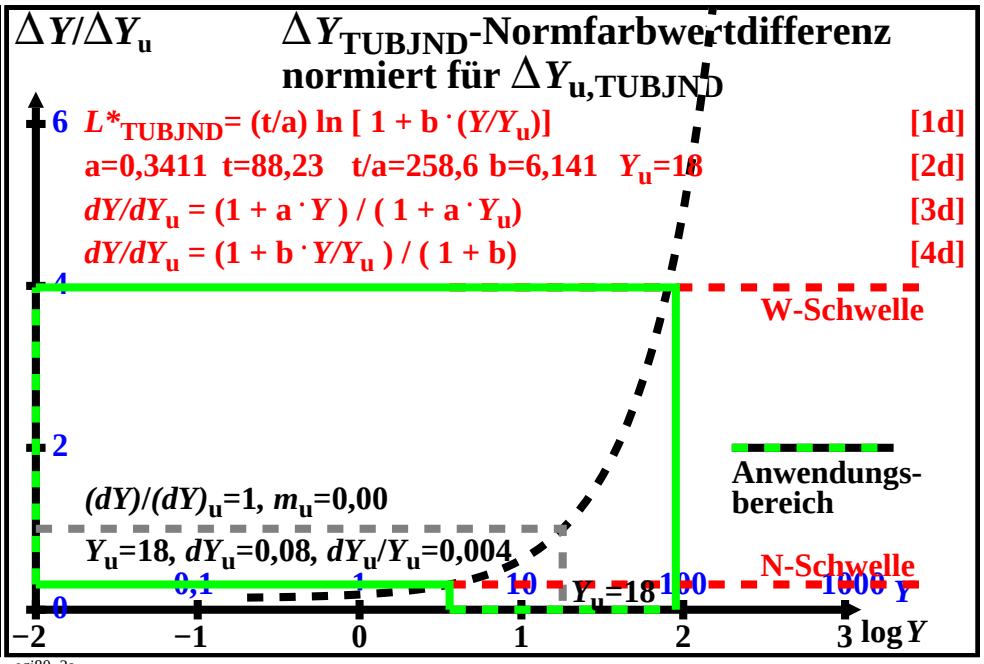
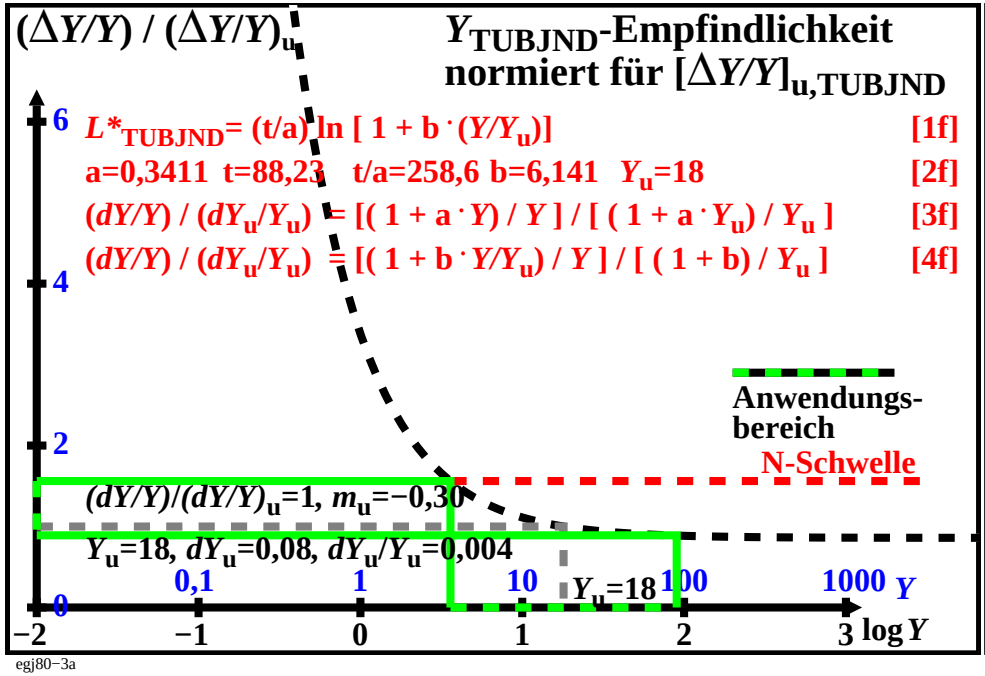
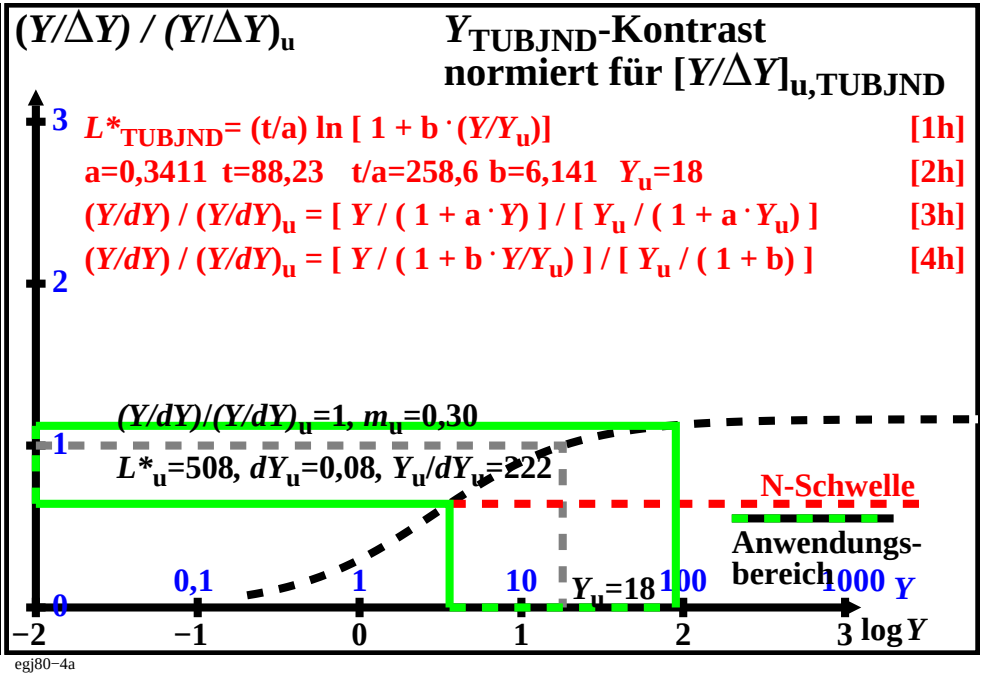

L*r,TUBJND
relative Helligkeit normiert zur Umgebungshelligkeit L*u,TUBJND
L*TUBJND= (t/a) ln (1 + a · Y) [1b]
L*/L*u= ln (1 + a · Y) / ln (1 + a · Yu) [2b]
L*/L*u= ln [1 + b · (Y/Yu)] / ln (1 + b) [3b]
a=0,3411 t=88,23 t/a=258,6 b=6,141 Yu=18 [4b]
L*/L*u=1, mu=1,01
L*u=508, Yu=18
Anwendungs bereich
N-Schwelle
Yu=18
0,1
1
10
100
1000
Y
log Y
egj80−1a


ΔY/ΔYu
ΔYTUBJND-Normfarbwertdifferenz normiert für ΔYu,TUBJND
L*TUBJND= (t/a) ln [1 + b · (Y/Yu)] [1d]
a=0,3411 t=88,23 t/a=258,6 b=6,141 Yu=18 [2d]
dY/dYu = (1 + a · Y) / (1 + a · Yu) [3d]
dY/dYu = (1 + b · Y/Yu) / (1 + b) [4d]
W-Schwelle
Anwendungs-bereich
(dY)/(dY)u=1, mu=0,00
Yu=18, dYu=0,08, dYu/Yu=0,004
N-Schwelle
Yu=18
0,1
1
10
100
1000
Y
log Y
egj80−2a


(ΔY/Y) / (ΔY/Y)u
YTUBJND-Empfindlichkeit normiert für [ΔY/Y]u,TUBJND
L*TUBJND= (t/a) ln [1 + b · (Y/Yu)] [1f]
a=0,3411 t=88,23 t/a=258,6 b=6,141 Yu=18 [2f]
(dY/Y) / (dYu/Yu) = [(1 + a · Y) / Y] / [(1 + a · Yu) / Yu] [3f]
(dY/Y) / (dYu/Yu) = [(1 + b · Y/Yu) / Y] / [(1 + b) / Yu] [4f]
Anwendungs-bereich
N-Schwelle
(dY/Y)/(dY/Y)u=1, mu=−0,30
Yu=18, dYu=0,08, dYu/Yu=0,004
Yu=18
0,1
1
10
100
1000
Y
log Y
egj80−3a


(Y/ΔY) / (Y/ΔY)u
YTUBJND-Kontrast normiert für [Y/ΔY]u,TUBJND
L*TUBJND= (t/a) ln [1 + b · (Y/Yu)] [1h]
a=0,3411 t=88,23 t/a=258,6 b=6,141 Yu=18 [2h]
(Y/dY) / (Y/dY)u = [Y / (1 + a · Y)] / [Yu / (1 + a · Yu)] [3h]
(Y/dY) / (Y/dY)u = [Y / (1 + b · Y/Yu)] / [Yu / (1 + b)] [4h]
(Y/dY)/(Y/dY)u=1, mu=0,30
L*u=508, dYu=0,08, Yu/dYu=222
N-Schwelle
Anwendungs-bereich
Yu=18
0,1
1
10
100
1000
Y
log Y
egj80−4a

egj80−3n