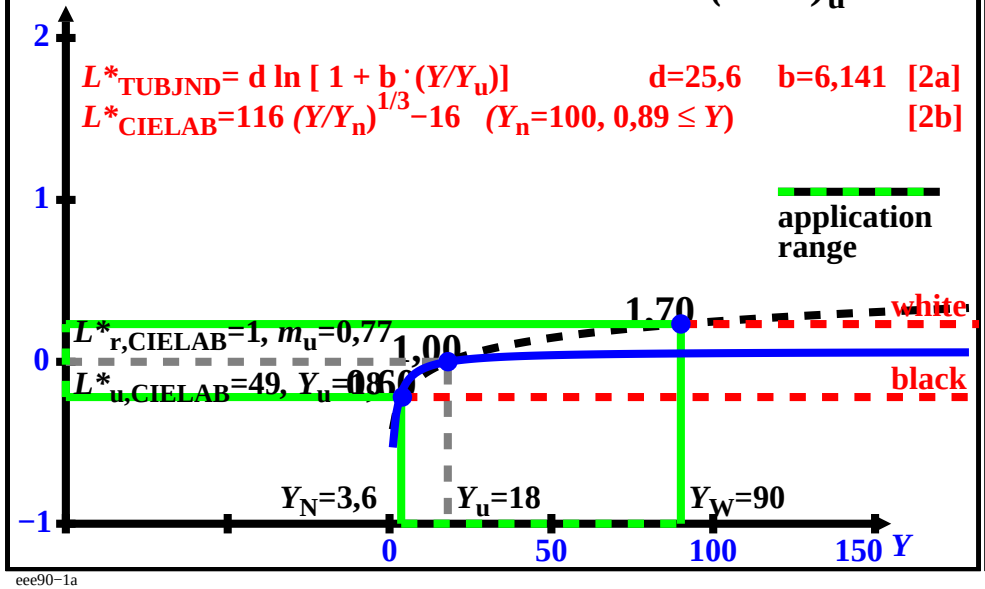
log [(*Y*/Δ*Y*) / (*Y*/Δ*Y*)$_u$]
CIELAB & TUBJND

CIE-*Y* contrast
normalized to (*Y*/Δ*Y*)$_u$

L^*_{TUBJND}= d ln [1 + b · (*Y*/*Y*$_u$)] d=25,6 b=6,141 [2a]

L^*_{CIELAB}=116 (*Y*/*Y*$_n$)$^{1/3}$−16 (*Y*$_n$=100, 0,89 ≤ *Y*) [2b]



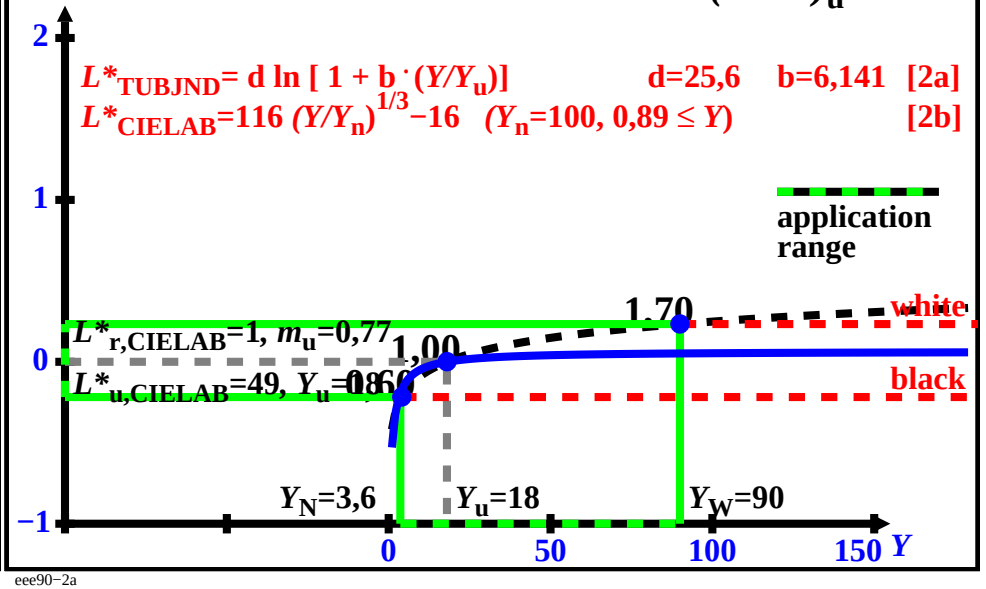
eee90−1a

log [(*Y*/Δ*Y*) / (*Y*/Δ*Y*)$_u$]
CIELAB & TUBJND

CIE-*Y* contrast
normalized to (*Y*/Δ*Y*)$_u$

L^*_{TUBJND}= d ln [1 + b · (*Y*/*Y*$_u$)] d=25,6 b=6,141 [2a]

L^*_{CIELAB}=116 (*Y*/*Y*$_n$)$^{1/3}$−16 (*Y*$_n$=100, 0,89 ≤ *Y*) [2b]



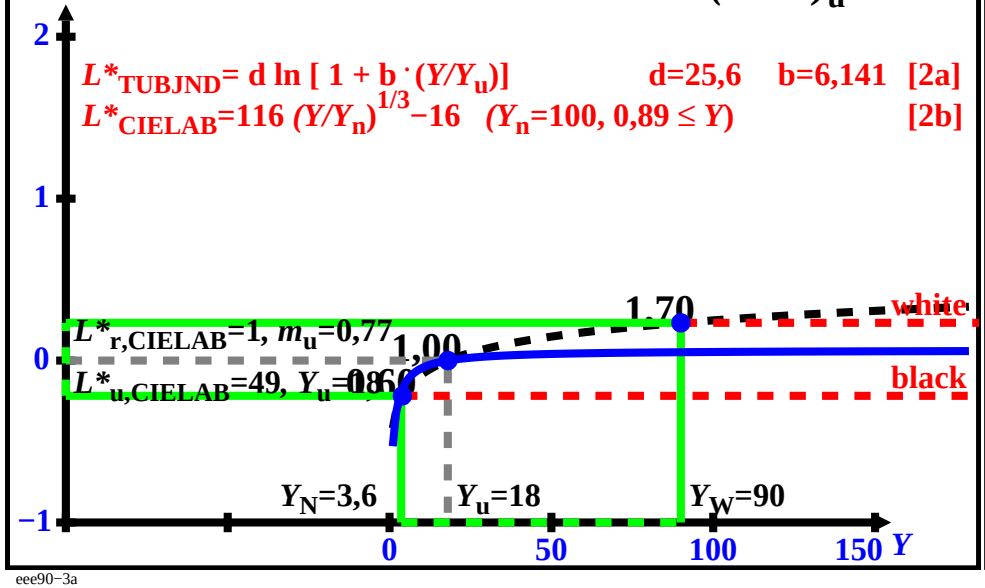
eee90−2a

log [(*Y*/Δ*Y*) / (*Y*/Δ*Y*)$_u$]
CIELAB & TUBJND

CIE-*Y* contrast
normalized to (*Y*/Δ*Y*)$_u$

L^*_{TUBJND}= d ln [1 + b · (*Y*/*Y*$_u$)] d=25,6 b=6,141 [2a]

L^*_{CIELAB}=116 (*Y*/*Y*$_n$)$^{1/3}$−16 (*Y*$_n$=100, 0,89 ≤ *Y*) [2b]



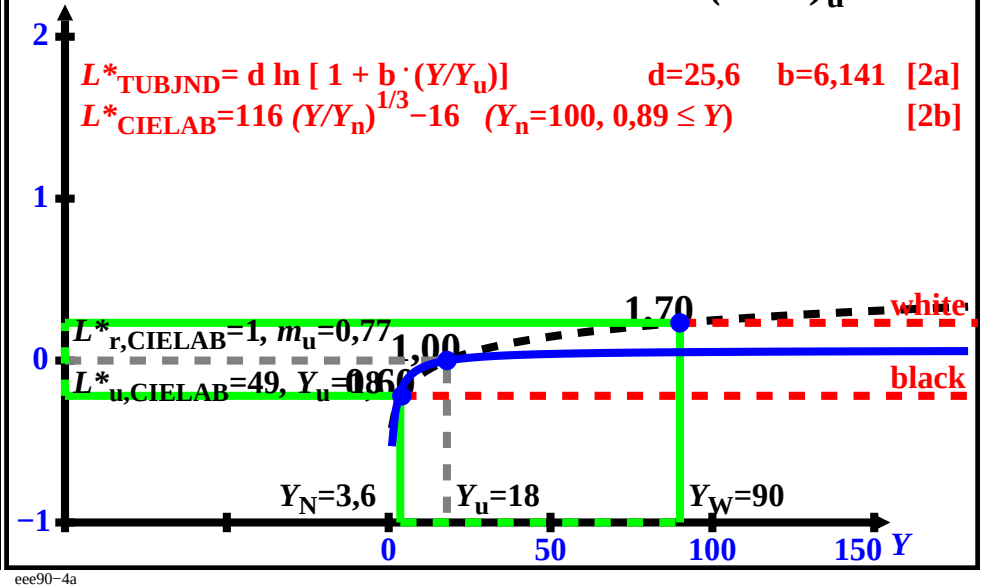
eee90−3a

log [(*Y*/Δ*Y*) / (*Y*/Δ*Y*)$_u$]
CIELAB & TUBJND

CIE-*Y* contrast
normalized to (*Y*/Δ*Y*)$_u$

L^*_{TUBJND}= d ln [1 + b · (*Y*/*Y*$_u$)] d=25,6 b=6,141 [2a]

L^*_{CIELAB}=116 (*Y*/*Y*$_n$)$^{1/3}$−16 (*Y*$_n$=100, 0,89 ≤ *Y*) [2b]



eee90−4a

eee90−3n