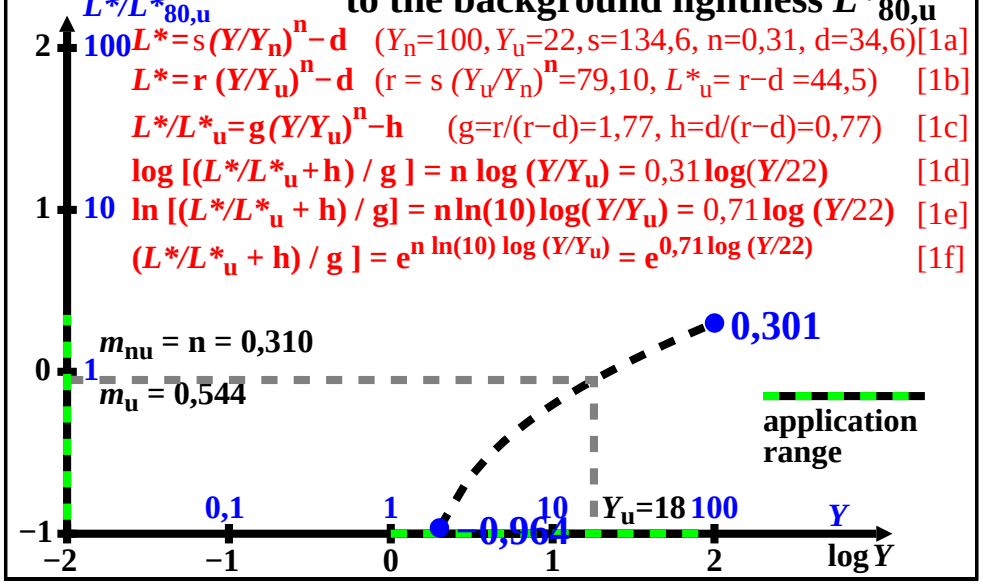
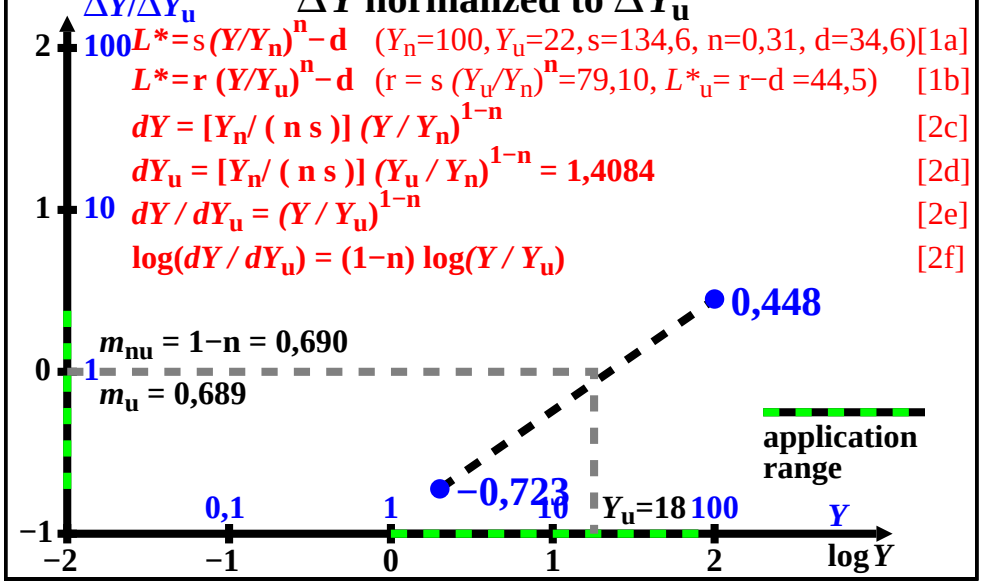
log ($L^*_{80}/L^*_{80,u}$) HAULAB lightness L^*_{80} normalized to the background lightness $L^*_{80,u}$



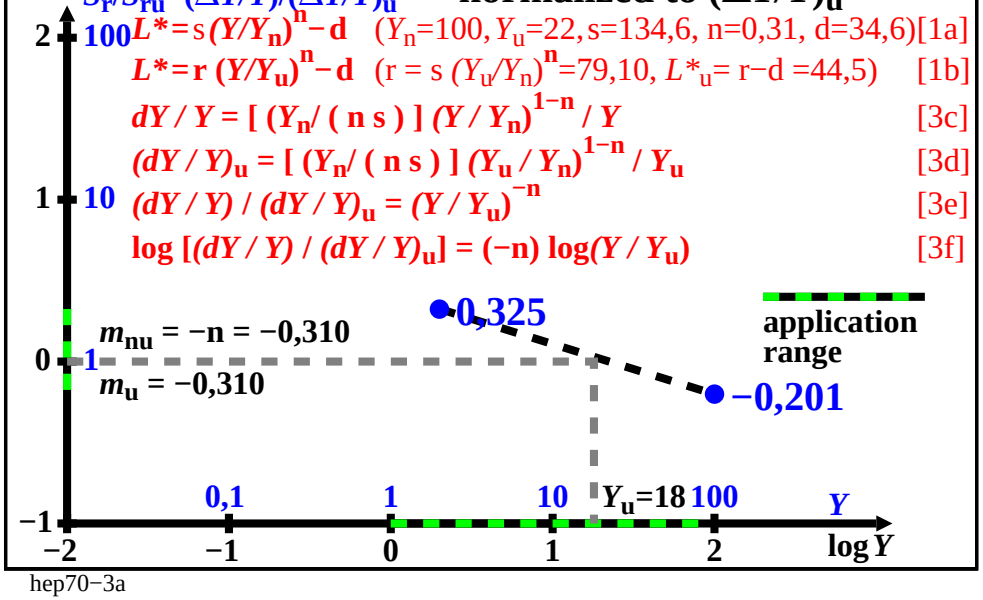
hep70−1a

log ($\Delta Y/\Delta Y_u$) HAULAB tristimulus value difference ΔY normalized to ΔY_u



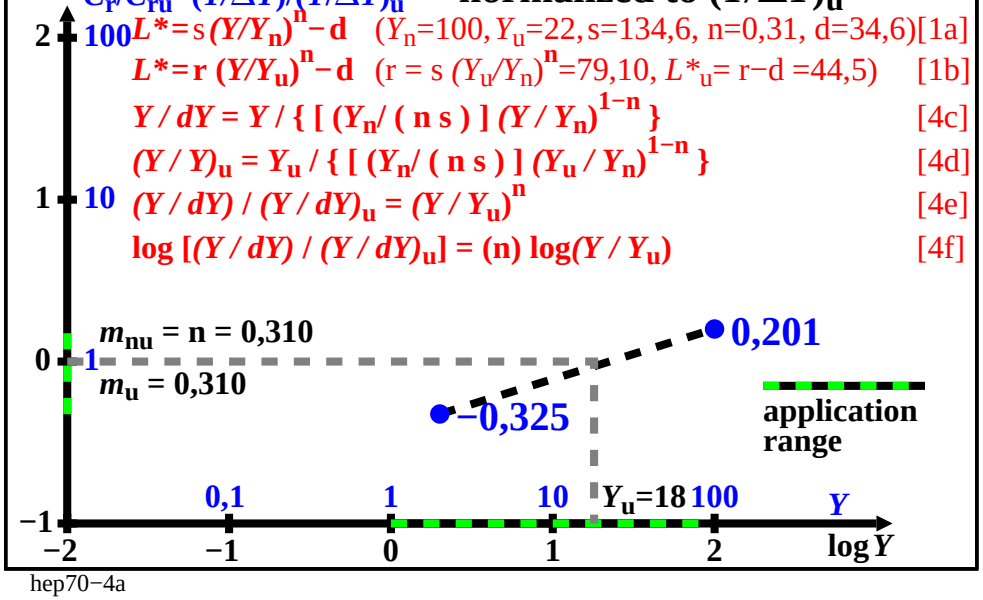
hep70−2a

log [($\Delta Y/Y$) / ($\Delta Y/Y$)$_u$] HAULAB-Y sensitivity normalized to ($\Delta Y/Y$)$_u$



hep70−3a

log[($Y/\Delta Y$) / ($Y/\Delta Y$)$_u$)] HAULAB-Y contrast normalized to ($Y/\Delta Y$)$_u$



hep70−4a

hep70−3n