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

$\Delta Y/\Delta Y_u$

$L^* = s(Y/Y_n)^n - d$ ($Y_n = 100$, $Y_u = 11$, $s = 134,6$, $n = 0,31$, $d = 19,2$) [1a]

$L^* = r(Y/Y_n)^n - d$ ($r = s(Y_u/Y_n)^n = 79,10$, $L^*_u = r - d = 59,8$) [1b]

$dY = [Y_n/(n s)](Y/Y_n)^{1-n}$ [2c]

$dY/dY_u = [Y_n/(n s)](Y_u/Y_n)^{1-n} = 1,4083$ [2d]

$dY/dY_u = (Y/Y_u)^{1-n}$ [2e]

$\log(dY/dY_u) = (1-n)\log(Y/Y_u)$ [2f]

$m_{aw} = 1 - n = 0,690$

$m_u = 0,636$

$1,124$

$0,641$

$0,030$

$-0,530$

$\varphi = 120°$,

$L_{aw} = 40 \, cd/m^2$

application range

$^sY_u = 18$

$Y_u = 11$

het90–8a