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

$\Delta Y/\Delta Y_u$

$100 \, L^* = s(Y/Y_n)^n - d$ ($Y_n = 100, s = 28, s = 153,7, n = 0,31, d = 53,7$) [1a]

$L^* = r(Y/Y_n)^n - d$ ($r = s(Y_u/Y_n)^n = 90,34, L^*_u = r - d = 36,6$)   [1b]

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

$dY_u = [Y_n/(n \, s)](Y_u/Y_n)^{1-n} = 1,2330$ [2d]

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

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

$0,862$

$0,380$

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

$m_u = 0,666$

$0,009$

$\varphi = 30'$

$L_{aw} = 300 \, cd/m^2$

application range

$0,1$ $-0,792$ $Y_u = 18$ 100

$Y_u = 28$

Y

$\log Y$

hey90−5a