

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

$100 L^*/L^*_u = (t/a) \{ \ln (1 + a \cdot Y) - \ln (1 + a \cdot Y_u) \}$ [1a]

$L^*/L^*_u = (t/a) \{ \ln [1 + b \cdot (Y/Y_u)] - \ln (1 + b) \}$ [1b]

normalized tristimulus value Y difference

$dY/dY_u = (1 + a \cdot Y) / (1 + a \cdot Y_u)$ [3d]

