log [(Y/ΔY) / (Y_u/ΔY_u)]   **relative LABJND2−tristimulus**
log(S_r) $S_r/S_{ru}=(Y/ΔY)/(Y_u/ΔY_u)$ value contrast

$L^*=(t/a) \ln [1 + b (Y/Y_u)]$
a=0.3411 t=88.23   t/a=258.6 b=a·Y_u=6.14

tristimulus value contrast
$\log[(Y/dY)/(Y_u/dY_u)] = \log [(t·Y) / (1+b·(Y/Y_u))]$
$- \log [(t·Y_u) / (1+b)]$

$Y_u=18$, $dY_u=0.08$, $Y_u·ΔY_u=222$
$\log[(Y/dY)/(Y_u/dY_u)]=0$, $m_u=0.13$

application range

0,1 $Y_N=4$ 10 $Y_u=18$ Y

−2   −1   0   1   2   log(Y)

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