log [(ΔY/Y) / (ΔY/Y)$_u$]   **CIE Y sensitivity**

S_r/S_{ru}=(ΔY/Y)/(ΔY/Y)$_u$ **normalized to ΔY$_u$/Y$_u$**

$100L*_{85,2}$= (t/a) ln (1 + a · Y)   [1f]

a=0,3411   t/a=88,23   t/a=258,6   [2f]

tristimulus value Y sensitivity

(dY/Y) / (dY_u/Y_u)

= [(1 + a · Y) / Y] / [(1 + a · Y_u) / Y_u]   [3f]

3,580

0,885

log[(dY/Y)/(dY/Y)$_u$]=0, m_u=-0,13

Y_u=18, dY_u=0,08, (dY/Y_u)=0,004

application range

0,1   **1**   **10**   **Y_u=18 100** Y

-2   -1   0   1   2   log Y

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