

FORMULA 4.291.14

$$\int_0^1 \frac{\ln(1+x)}{(ax+b)^2} dx = \frac{1}{a(a-b)} \ln\left(\frac{a+b}{b}\right) + \frac{2 \ln 2}{b^2 - a^2} \quad \text{if } a \neq b$$

$$\int_0^1 \frac{\ln(1+x)}{(ax+b)^2} dx = \frac{1 - \ln 2}{2a^2} \quad \text{if } a = b$$