

**FORMULA 4.297.1**

$$\int_0^1 \ln \left( \frac{ax+b}{bx+a} \right) \frac{dx}{(1+x)^2} = \frac{1}{a-b} \left[ (a+b) \ln \frac{a+b}{2} - a \ln a - b \ln b \right]$$