

FORMULA 3.554.1

$$\int_0^{\infty} e^{-bx}(1 - \operatorname{sech} x) \frac{dx}{x} = 2 \ln \Gamma\left(\frac{b+3}{4}\right) - 2 \ln \Gamma\left(\frac{b+1}{4}\right) - \ln \frac{b}{4}$$