

FORMULA 4.327.3

$$\int_0^{\infty} \ln(a^2 + \ln^2 x) x^{\mu-1} dx = \frac{2}{\mu} [-\cos(a\mu) \operatorname{ci}(a\mu) - \sin(a\mu) \operatorname{si}(a\mu) + \ln a]$$