

**FORMULA 3.484**

$$\int_0^{\infty} \left[ \left(1 + \frac{a}{qx}\right)^{qx} - \left(1 + \frac{a}{px}\right)^{px} \right] \frac{dx}{x} = (e^a - 1) \ln \left( \frac{q}{p} \right)$$