

FORMULA 3.241.4

$$\int_0^{\infty} \frac{x^{\mu-1} dx}{(p+qx^\nu)^{n+1}} = \frac{1}{\nu p^{n+1}} \left(\frac{p}{q}\right)^{\mu/\nu} \frac{\Gamma(\mu/\nu)\Gamma(n+1-\mu/\nu)}{\Gamma(n+1)}$$