

FORMULA 3.331.3

$$\int_0^{\infty} (1 - e^{-x})^{\nu-1} e^{be^{-x} - \mu x} dx = B(\mu, \nu) e^{b/2} b^{-(\mu+\nu)/2} M_{\frac{\nu-\mu}{2}, \frac{\nu+\mu-1}{2}}(b)$$