

FORMULA 3.462.5

$$\int_0^{\infty} x e^{-\mu x^2 - 2\nu x} dx = \frac{1}{2\mu} - \frac{\nu}{2\mu} \sqrt{\frac{\pi}{\mu}} e^{\nu^2/\mu} \left[1 - \operatorname{erf} \left(\frac{\nu}{\sqrt{\mu}} \right) \right]$$