

FORMULA 3.462.7

$$\int_0^{\infty} x^2 e^{-\mu x^2 - 2\nu x} dx = -\frac{\nu}{2\mu^2} + \sqrt{\frac{\pi}{\mu^5}} \frac{(2\nu^2 + \mu)}{4} e^{\nu^2/\mu} \left(1 - \operatorname{erf}\left(\frac{\nu}{\sqrt{\mu}}\right)\right)$$