

**FORMULA 3.323.3**

$$\int_0^{\infty} \exp(-\beta^2 x^4 - 2\gamma^2 x^2) dx = 2^{-3/2} \frac{\gamma}{\beta} e^{\frac{\gamma^4}{2\beta^2}} K_{\frac{1}{4}} \left( \frac{\gamma^4}{2\beta^2} \right)$$

should be written as

$$\int_0^{\infty} \exp(-x^4 - 4ax^2) dx = \frac{\sqrt{a}}{2} e^{2a^2} K_{1/4}(2a^2)$$