

**FORMULA 3.391**

$$\int_0^{\infty} \left[ (\sqrt{x+2b} + \sqrt{x})^{2\nu} - (\sqrt{x+2b} - \sqrt{x})^{2\nu} \right] e^{-\mu x} dx = \frac{\nu}{\mu} 2^{\nu+1} b^{\nu} e^{b\mu} K_{\nu}(b\mu)$$