

**FORMULA 3.527.3. NEW VERSION.**

$$\int_0^{\infty} \frac{x^{\mu-1} dx}{\cosh^2 ax} = \frac{4}{(2a)^\mu} (1 - 2^{2-\mu}) \Gamma(\mu) \zeta(\mu - 1)$$

should be written as

$$\int_0^{\infty} \frac{x^{b-1} dx}{\cosh^2 x} = 2^{2-b} (1 - 2^{2-b}) \Gamma(b) \zeta(b - 1)$$