

FORMULA 3.527.1

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

should be written as

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