

### NEW FORMULA 3.311.6

The original formula is

$$\int_0^{\infty} \frac{e^{-x} - e^{-\nu x}}{1 - e^{-x}} dx = \psi(\nu) + \mathbf{C}$$

It should be written as

$$\int_0^{\infty} \frac{e^{-x} - e^{-ax}}{1 - e^{-x}} dx = \psi(a) + \gamma$$