

### NEW FORMULA 3.311.2

The original formula is

$$\int_0^{\infty} \frac{e^{-\mu x} dx}{1 + e^{-x}} = \beta(\mu)$$

it should be written as

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

it looks better.