

NEW FORMULA 4.314.3

The original formula is

$$\int_0^1 \frac{x \ln x + 1 - x}{x(\ln x)^2} \ln(1+x) dx = \ln \frac{4}{\pi}$$

it should be written as

$$\int_0^1 \frac{x \ln x + 1 - x}{x(\ln x)^2} \ln(1+x) dx = 2 \ln 2 - \ln \pi$$