

NEW FORMULA 3.511.1

The original formula is

$$\int_0^{\infty} \frac{dx}{\cosh ax} = \frac{\pi}{2a}$$

the change of variables $t = ax$ (and going back to x as the integration variable) gives the new form

$$\int_0^{\infty} \frac{dx}{\cosh x} = \frac{\pi}{2}$$