NEW FORMULA 3.248.1

The original formula is

$$\int_0^\infty \frac{x^{\mu-1}\,dx}{\sqrt{1+x^\nu}} = \frac{1}{\nu} B\left(\frac{\mu}{\nu}, \frac{1}{2} - \frac{\mu}{\nu}\right)$$

It looks better as

$$\int_0^\infty \frac{x^{a-1}\,dx}{\sqrt{1+x^b}} = \frac{1}{b} B\left(\frac{a}{b}, \frac{1}{2} - \frac{a}{b}\right)$$