

NEW FORMULA 3.192.4

The original formula is

$$\int_1^{\infty} (x-1)^{p-1/2} \frac{dx}{x} = \pi \sec(p\pi)$$

it should be replaced by (simply the parameter p is replaced by a)

$$\int_1^{\infty} (x-1)^{a-1/2} \frac{dx}{x} = \pi \sec \pi a$$