

FORMULA 3.229

$$\int_0^1 \frac{x^{\mu-1} dx}{(1-x)^\mu(1+ax)(1+bx)} = \frac{\pi}{(a-b)\sin\pi\mu} \left[\frac{a}{(1+a)^\mu} - \frac{b}{(1+b)^\mu} \right]$$