

FORMULA 3.197.8

$$\int_0^a x^{\nu-1}(x+b)^\lambda(a-x)^{\mu-1}dx = b^\lambda a^{\mu+\nu-1} B(\mu, \nu) {}_2F_1 \left[-\lambda, \nu; \mu + \nu, -\frac{a}{b} \right]$$