

**FORMULA 3.197.2**

$$\int_a^\infty x^{-\lambda}(x+b)^\nu(x-a)^{\mu-1} dx = a^{-\lambda}(a+b)^{\mu+\nu} B(\mu, \lambda - \mu - \nu) {}_2F_1[\lambda, \mu; \lambda - \nu; -b/a]$$