

FORMULA 3.194.7

$$\int_0^\infty \frac{x^m dx}{(a+bx)^{n+1/2}} = 2^{m+1} m! \frac{(2n-2m-3)!!}{(2n-1)!!} \frac{a^{m-n+1/2}}{b^{m+1}}$$