

FORMULA 2.324.2

$$\int \frac{e^{ax} dx}{x^m} = -\frac{e^{ax}}{(m-1)!} \sum_{k=1}^{m-1} \frac{a^{k-1} (m-k-1)!}{x^{m-k}} + \frac{a^{m-1}}{(m-1)!} \text{Ei}(ax)$$