

C4282

! For an efficient use of these tables, first read [HowTo.pdf](#).

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**T2.70A.** Integrands involving exponentials and logarithm functions on the interval  $(0, 1)$ .

$$1. \int_0^1 e^{\mu x} \ln x \, dx = -\frac{1}{\mu} \int_0^1 \frac{e^{\mu x} - 1}{x} \, dx, = \frac{1}{\mu} [\gamma(0, -\mu) + \ln(-\mu) + \gamma_e], \quad \Re\{\mu\} < 0.$$

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