

! For an efficient use of these tables, first read `HowTo.pdf`.

T2.62B. Integrands involving logarithm functions on the intervals $(0, 1/e)$, $(0, y)$ and $(1, e)$.

1. $\int_0^{1/e} \frac{dx}{\sqrt{(\ln x)^2 - 1}} = K_0(1).$

2. $\int_0^y \frac{dx}{\ln x} = \text{li}(y).$

3. $\int_1^e \frac{\ln x \, dx}{(1 + \ln x)^2} = \frac{e}{2} - 1.$
