

C4282

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

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T3.32B. Integrands involving exponentials, hyperbolic functions and powers of $(a + b x)$ on the interval $(1, \infty)$.

$$1. \int_1^{\infty} \frac{e^{-\beta x}}{x} \cosh \gamma x \, dx = \frac{1}{2} [-\operatorname{Ei}(\gamma - \beta) - \operatorname{Ei}(-\gamma - \beta)], \quad \Re\{\beta\} > |\Re\{\gamma\}|.$$

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