

C4282

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

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**T3.29B.** Integrands involving hyperbolic functions on the interval  $(-\infty, \infty)$ .

1. 
$$\int_{-\infty}^{\infty} \left( 1 - \frac{\sqrt{2} \cosh x}{\sqrt{\cosh 2x}} \right) dx = -\ln 2.$$

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2. 
$$\int_{-\infty}^{\infty} \frac{\sinh^2 ax}{\sinh^2 x} dx = 1 - a\pi \cot a\pi, \quad a^2 < 1.$$

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