

C4282

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

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T3.41B. Integrands involving product of exponentials, trigonometric functions and powers of trigonometric functions on the interval $(-\infty, \infty)$.

1.
$$\int_{-\infty}^{\infty} e^{-q^2 x^2} \sin[p(x + \lambda)] dx = \frac{\sqrt{\pi}}{q} e^{-p^2/(4q^2)} \sin p\lambda.$$

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