

C4282

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

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T2.57B. Integrands involving product of exponentials and trigonometric functions of linear and quadratic arguments on the interval $(0, \pi/2)$.

$$1. \int_0^{\pi/2} \exp \left[- \sum_{n=1}^{\infty} \frac{1}{n} \sin^{2n} x \right] dx = \int_0^{\pi/2} \exp \left[- \sum_{n=1}^{\infty} \frac{1}{n} \sin^{2n} x \right] dx = \frac{\pi}{4}.$$

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