

C4282

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

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T2.54E. Integrands involving powers of trigonometric functions and powers of $(a + b x^n)$ for $n = 1, 2, 3, 4$, on the interval $(0, 1)$.

$$1. \int_0^1 \frac{x \, dx}{\cos ax \cos[a(1-x)]} = \frac{1}{a} \csc a \cdot \ln \sec a, \quad a < \frac{\pi}{2}.$$

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