

C4282

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

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T2.45E. Integrands involving powers of linear trigonometric functions on the interval $(-\pi/4, \pi/4)$.

$$1. \int_{-\pi/4}^{\pi/4} \left(\frac{\cos x + \sin x}{\cos x - \sin x} \right)^{\cos 2t} dx = \frac{\pi}{2 \sin(\pi \cos^2 t)}.$$

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