

C4282

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

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T2.53E. Integrands involving rational functions of $(a + b x)$ and trigonometric functions on the interval $(-\pi, \pi)$.

$$1. \int_{-\pi}^{\pi} \frac{dx}{1 - 2a \cos x + a^2} = \frac{2\pi}{1 - a^2}, \quad a^2 < 1.$$

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