

C4282

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

C4282

T2.43D. Integrands involving powers of trigonometric functions and liner trigonometric functions on the interval $(-\pi/2, \pi/2)$.

$$1. \int_{-\pi/2}^{\pi/2} \cos^{\nu-1} x \sin \left[a \left(x + \frac{\pi}{2} \right) \right] dx = \frac{\pi \sin(a\pi/2)}{2^{\nu-1} \nu \operatorname{B} \left(\frac{\nu+a+1}{2}, \frac{\nu-a+1}{2} \right)}, \quad \Re\{\nu\} > 0.$$

C4282

C4282

C4282

C4282

C4282

C4282