

7. $\int_0^{\pi} x \cos(2m+1)x \, dx = 0$ ГХ2 (332)(12a)
8. $\int_0^{\pi} \sin^{v-1} x \cos a x \, dx = \frac{\pi \cos \frac{a\pi}{2}}{2^{\nu-1} \nu B\left(\frac{v+a+1}{2}, \frac{v-a+1}{2}\right)}$
[Re $\nu > 0$] Лб V 121(68)и, Вт 337и
9. $\int_0^{\pi/2} \sin^{v-1} x \cos a x \, dx = \frac{\pi}{2^{\nu} \nu B\left(\frac{v+a+1}{2}, \frac{v-a+1}{2}\right)}$
[Re $\nu > 0$] ГХ2 (332)(9с)
10. $\int_0^{\pi/2} \sin^{\nu-2} x \cos \nu x \, dx = \frac{1}{\nu-1} \sin \frac{\nu\pi}{2}$ [Re $\nu > 1$] Х2 (332)(9с)
11. $\int_0^{\pi} \sin^{\nu} x \cos \nu x \, dx = \frac{\pi}{2^{\nu}} \cos \frac{\nu\pi}{2}$ [Re $\nu > -1$] Лб V 121(70)и