

Points per wavelength, $2\pi/\omega \Delta t$	$\omega \Delta t$ or $k_x \Delta x$ , radians	Relative error of $2 \tan \omega \Delta t/2$	Relative error of $2 \sin k_x \Delta x/2$	Relative error of (10-6-8)
$\pi \times 10^n$	$2 \times 10^{-n}$	$10^{-2n}/3$	$10^{-2n}/6$	$0(10^{-4n})$
20.000000	0.314159	0.008272	-0.004116	-0.000021
16.000000	0.392699	0.012968	-0.006434	-0.000051
12.000000	0.523599	0.023218	-0.011449	-0.000159
10.000000	0.628318	0.033675	-0.016504	-0.000330
8.000000	0.785398	0.053325	-0.025834	-0.000812
6.000000	1.047197	0.097645	-0.046109	-0.002613
4.000000	1.570796	0.240396	-0.104913	-0.013849
3.000000	2.094395	0.492833	-0.189390	-0.046111
2.100000	2.991992	1.596763	-0.400123	-0.203548