Pingpong times	Total time by clock	Average by clock	Total time by MPI_Wtime	Average by MPI_Wtime
1	0.000100	0.000100	0.000097	0.000097
2	0.000104	0.000052	0.000099	0.000050
4	0.000104	0.000026	0.000100	0.000025
8	0.000105	0.000013	0.000102	0.000013
16	0.000916	0.000057	0.000908	0.000057
32	0.001134	0.000035	0.001102	0.000034
64	0.001093	0.000017	0.001082	0.000017
128	0.002086	0.000016	0.002064	0.000016
256	0.004126	0.000016	0.004110	0.000016
512	0.008134	0.000016	0.008121	0.000016
1024	0.015430	0.000015	0.015312	0.000015
2048	0.028791	0.000014	0.028871	0.000014
4096	0.055387	0.000014	0.055331	0.000014
8192	0.069631	0.000008	0.069316	0.000008
16384	0.085146	0.000005	0.084135	0.000005
32768	0.126949	0.000004	0.124986	0.000004
65536	0.209450	0.000003	0.204509	0.000003
131072	0.365707	0.000003	0.365070	0.000003
262144	0.672179	0.000003	0.673113	0.000003
524288	1.304140	0.000002	1.297485	0.000002
1048576	2.566549	0.000002	2.564849	0.000002

(Results was generated on lab machine)

It needs 524288 times ping-pong to get 1 second run-time.

The times I got with the clock function are almost same as the times taken with MPI_Wtime.