Time in seconds = using time.h
Runtime = MPI_Wtime();

Ping Pong: 1
Time in seconds: 0.000093
Runtime=0.000084
Ping Pong: 1
Time in seconds: 0.000089
Runtime=0.000079
Ping Pong: 2
Time in seconds: 0.000013
Runtime=0.000012
Ping Pong: 2
Time in seconds: 0.000008
Runtime=0.000007
Ping Pong: 4
Time in seconds: 0.000008
Runtime=0.000007
Ping Pong: 4
Time in seconds: 0.000012
Runtime=0.000012
Ping Pong: 8
Time in seconds: 0.000014
Runtime=0.000013
Ping Pong: 8
Time in seconds: 0.000018
Runtime=0.000018
Ping Pong: 16
Time in seconds: 0.000096
Runtime=0.000095
Ping Pong: 16
Time in seconds: 0.000101
Runtime=0.000100
Ping Pong: 32
Time in seconds: 0.000036
Runtime=0.000035
Ping Pong: 32
Time in seconds: 0.000036
Runtime=0.000035
Ping Pong: 64
Time in seconds: 0.000112
Runtime=0.000112
Ping Pong: 128

Time in seconds: 0.000142
Runtime=0.000142
Ping Pong: 64
Time in seconds: 0.000085
Runtime=0.000109
Ping Pong: 128
Time in seconds: 0.000143
Runtime=0.000141
Ping Pong: 256
Time in seconds: 0.000342
Runtime=0.000369
Ping Pong: 256
Time in seconds: 0.000333
Runtime=0.000372
Ping Pong: 512
Time in seconds: 0.000415
Runtime=0.000414
Ping Pong: 512
Time in seconds: 0.000415
Runtime=0.000413
Ping Pong: 1024
Time in seconds: 0.000765
Runtime=0.000765
Ping Pong: 1024
Time in seconds: 0.000760
Runtime=0.000760
Ping Pong: 2048
Time in seconds: 0.001473
Runtime=0.001472
Ping Pong: 2048
Time in seconds: 0.001468
Runtime=0.001467
Ping Pong: 4096
Time in seconds: 0.002838
Runtime=0.002837
Ping Pong: 4096
Time in seconds: 0.002834
Runtime=0.002833
Ping Pong: 8192
Time in seconds: 0.005253
Runtime=0.005257
Ping Pong: 8192
Time in seconds: 0.005232

Runtime=0.005252
Ping Pong: 16384
Time in seconds: 0.009774
Runtime=0.009773
Ping Pong: 16384
Time in seconds: 0.009768
Runtime=0.009770
Ping Pong: 32768
Time in seconds: 0.022744
Runtime=0.022788
Ping Pong: 32768
Time in seconds: 0.022721
Runtime=0.022784
Ping Pong: 65536
Time in seconds: 0.040036
Runtime=0.040086
Ping Pong: 65536
Time in seconds: 0.040030
Runtime=0.040083
Ping Pong: 131072
Time in seconds: 0.083724
Runtime=0.083904
Ping Pong: 131072
Time in seconds: 0.083711
Runtime=0.083908
Ping Pong: 262144
Time in seconds: 0.164548
Runtime=0.164862
Ping Pong: 262144
Time in seconds: 0.164565
Runtime=0.164859
Ping Pong: 524288
Time in seconds: 0.327491
Runtime=0.328790
Ping Pong: 524288
Time in seconds: 0.326330
Runtime=0.328786
Ping Pong: 1048576
Time in seconds: 0.648711
Runtime=0.650253
Ping Pong: 1048576
Time in seconds: 0.649306
Runtime=0.650249

Ping Pong: 2097152
Time in seconds: 1.286275
Runtime=1.287934
Ping Pong: 2097152
Time in seconds: 1.286163
Runtime=1.287932
Ping Pong: 4194304
Time in seconds: 2.560334
Runtime=2.564173
Ping Pong: 4194304
Time in seconds: 2.560019
Runtime=2.564175
Ping Pong: 8388608
Time in seconds: 5.053797
Runtime=5.057670
Ping Pong: 8388608
Time in seconds: 5.053408
Runtime=5.057672
Ping Pong: 16777216
Time in seconds: 10.457156
Runtime=10.491711
Ping Pong: 16777216
Time in seconds: 10.460942
Runtime=10.491708
Ping Pong: 33554432
Time in seconds: 21.042207
Runtime=21.113182
Ping Pong: 33554432
Time in seconds: 21.040717
Runtime=21.113179
Ping Pong: 67108864
Time in seconds: 40.778556
Runtime=40.924535
Ping Pong: 67108864
Time in seconds: 40.769338
Runtime=40.924537

Total time = 40.769338
Average time = 0.0000006075