Elijah Andrushenko

CPTS 411

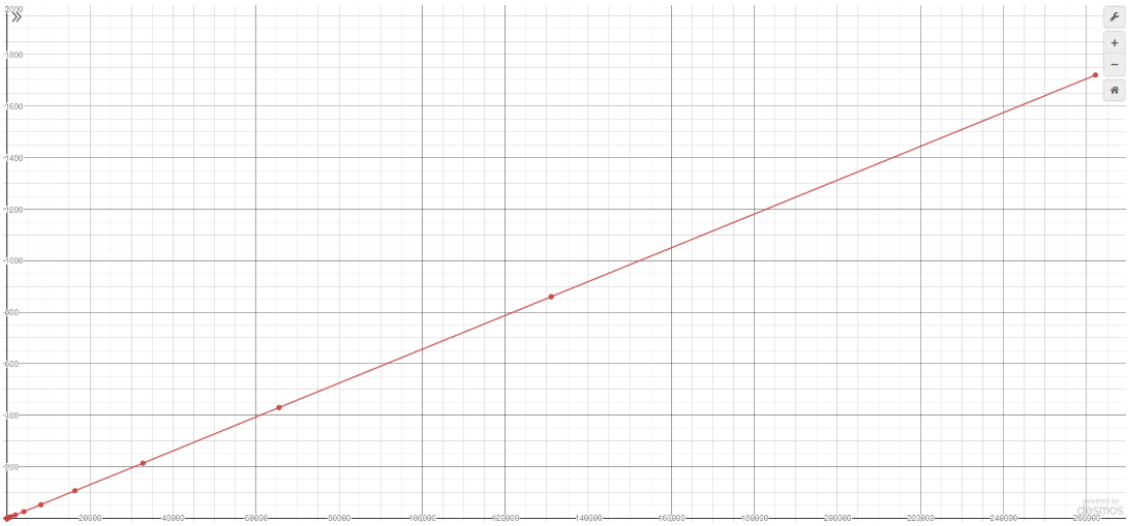
09/25/2018

Intro to Parallel Computing

Project #2

x_1	y_1
1	0
2	0
4	0
8	0
16	0
32	0
64	0
128	0
256	1
512	3
1024	6
2048	13
4096	26
8192	53
16384	107
32768	214
65536	430
131072	860
262144	1720

MPI Send – X: Size (Bytes) Y: Time (Milliseconds)



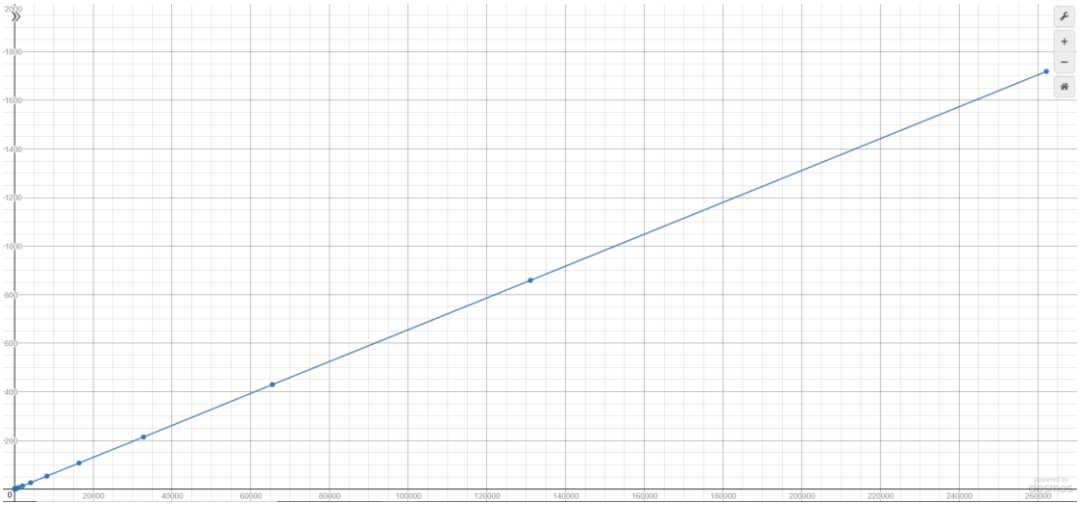
Bandwidth = 151 Bytes per Millisecond

Latency = 0.00000152 Milliseconds

Network Buffer Size = 2

MPI Recv – X: Size (Bytes) Y: Time (Milliseconds)

x_1	y_1
1	0
2	0
4	0
8	0
16	0
32	0
64	0
128	0
256	1
512	3
1024	6
2048	13
4096	26
8192	53
16384	107
32768	214
65536	430
131072	859
262144	1719



Communication – X: Size (Bytes) Y: Time (Milliseconds)

x_1	y_1
1	0
2	0
4	0
8	0
16	0
32	0
64	0
128	0
256	0
512	0
1024	0
2048	0
4096	0
8192	0
16384	0
32768	0
65536	1
131072	1
262144	0