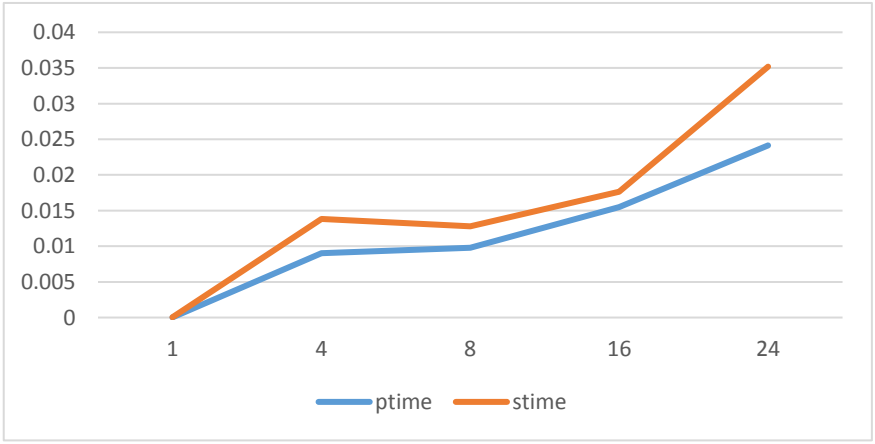
Khayam Anjam

HW 03

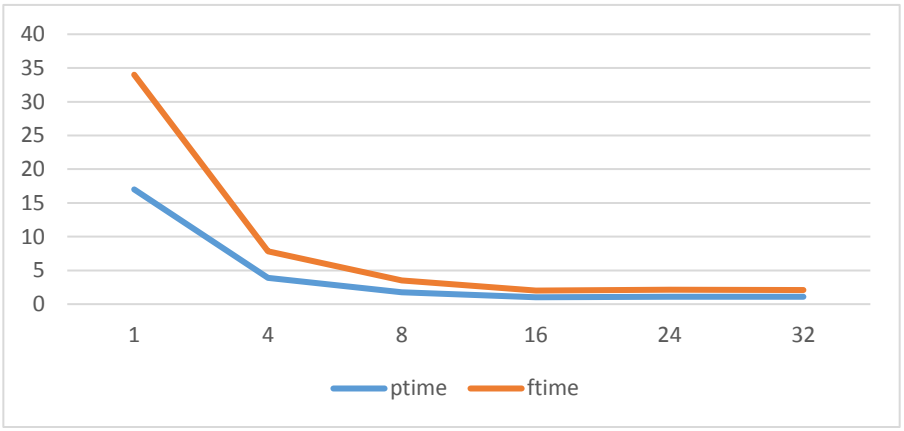
arraysize	processors	p time	ftime
100	1	0.000021	0.000018
	4	0.009018	0.004803
	8	0.009802	0.002983
	16	0.015493	0.002149
	24	0.024136	0.011042
1000	1	17.00011	17.000061
	4	3.911256	3.902849
	8	1.762445	1.745236
	16	1.016912	0.994332
	24	1.083343	1.051906
	32	1.084287	1.011176
5000	1	2133.99993	2132.9999
	4	492.914499	492.78502
	8	219.937982	219.80171
	16	123.323469	123.16443
	24	117.363612	116.18122
	32	125.143991	121.73989

I was not able to request 32 or more CPUs
I ran it with 24CPUs and 32 MPI Procs

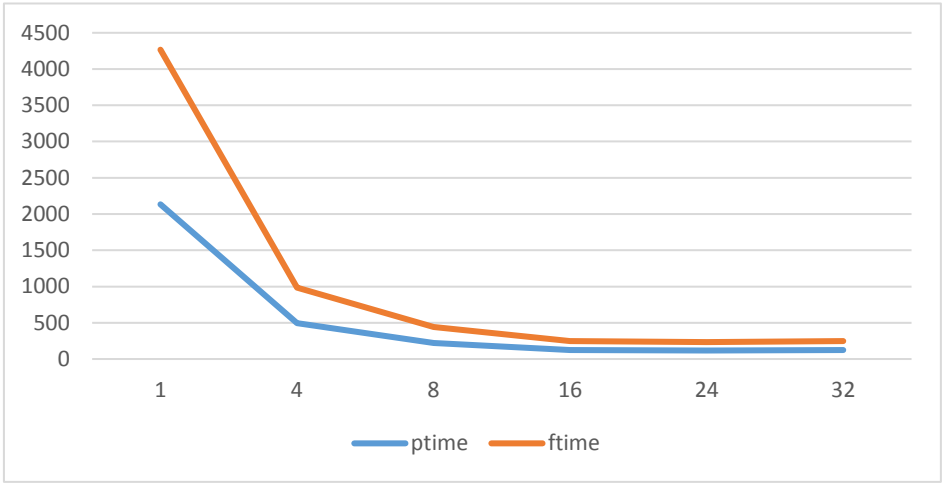
N=100



N=1000


40
35
30
25
20
15
10
5
0
1
4
8
16
24
32
ptime
ftime

N=5000


4500
4000
3500
3000
2500
2000
1500
1000
500
0
1
4
8
16
24
32
ptime
ftime