

Report Of Results (170010036)

1. For OPEN-MP

Size of Matrix	Number of Threads			
	2	4	6	8
10	0.009	0.0015	0.00273	0.0021
100	0.0056	0.01095	0.0191	0.01867
200	0.0466	0.0967	0.11255	0.1389
400	0.4169	0.988	1.0055	1.122
600	1.425	3.397	3.387	3.73
800	3.650	8.211	8.3317	9.63015
1000	7.423	16.77	17.175	20.330
2000	76.660	150.611	152.25	178.20

2. For MPI

Size of Matrix	Number of PEs			
	2	4	6	8
10	0.0014	0.0019	0.0049	0.0089
100	0.01325	0.0126	0.0328	0.0434
200	0.0727	0.0784	0.133	0.1754
400	0.597	0.5423	0.428	0.6325
600	1.9890	1.7646	1.220	1.6887
800	5.082	4.3574	2.9246	3.823
1000	9.854	7.2635	6.6536	7.3313
2000	94.43	61.1418	56.1755	59.6316

Configuration:

MacOS BigSur

Processor: 1.1 GHz Dual-Core Intel Core i3