

HW1 PDP

RAHUL PRADEEP KAMATH

Sequential Red Black

Grid Size: 800

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
0	.135	.137	.135	.135

Grid Size: 12080

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
0	31.016	31.123	31.078	31.078

P-Thread's Red Black

Grid Size: 800

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	.078	.082	.087	.082
4	.057	.071	.078	.071
8	.052	.051	.047	.051

Grid Size: 12080

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	17.081	17.322	17.032	17.081
4	10.932	10.832	10.971	10.832
8	10.546	10.324	10.680	10.546

MPI RED BLACK

Grid Size: 800

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	.132	.171	.221	.171
4	.222	.261	.305	.261
8	.278	.311	.256	.278

Grid Size: 12080

<u># Thread</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	28.086	28.423	29.435	28.423
4	21.379	22.643	17.484	21.379
8	17.040	16.579	18.804	17.040

Hybrid Red Black

Grid Size: 800

<u># Thread</u>	<u>#Nodes</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	2	.172	.176	.174	.174
4	2	.378	.408	.382	.382
8	2	.216	.197	.205	.205

Grid Size: 800

<u># Thread</u>	<u>#Nodes</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	4	.383	.397	.484	.397
4	4	.849	.856	.903	.856
8	4	.179	.387	.213	.213

Grid Size: 800

<u># Thread</u>	<u>#Nodes</u>	<u>Run1</u>	<u>Run2</u>	<u>Run3</u>	<u>Median</u>
2	8	.575	.677	.731	.677
4	8	1.524	2.132	1.589	1.589

8	8	.240	.244	.268	.244
---	---	------	------	------	------

Grid Size: 12080

# Thread	#Nodes	Run1	Run2	Run3	Median
2	2	18.788	19.612	19.004	19.004
4	2	18.766	18.743	19.280	18.766
8	2	18.990	19.246	18.085	18.990

Grid Size: 12080

# Thread	#Nodes	Run1	Run2	Run3	Median
2	4	17.540	18.251	18.461	18.251
4	4	19.500	19.751	19.011	19.011
8	4	18.000	18.607	18.412	18.412

Grid Size: 12080

# Thread	#Nodes	Run1	Run2	Run3	Median
2	8	19.416	21.440	19.706	19.706
4	8	20.942	20.855	21.297	20.941
8	8	21.251	21.243	21.236	21.243