

PSC Performance

easy_1024

Threads	Time (s)	Speedup	Max Occupancy	Total Cost
1	11.3606646470	1	15	97630466
2	5.9559450180	1.91	16	97676276
4	3.1349684960	3.62	15	97774552
8	1.7854759540	6.36	16	97893214
16	1.0199993780	11.14	16	98067452
32	0.6456497840	17.60	17	98288672
64	0.4812246930	23.61	17	98558662
128	0.4963817480	22.89	17	98711368

medium_1024

Threads	Time (s)	Speedup	Max Occupancy	Total Cost
1	56.9971205230	1	32	485248700
2	28.9814060810	1.97	34	485748194
4	15.7986802370	3.61	35	486746212
8	7.8726380780	7.24	39	491771364
16	4.8280229500	11.81	33	485625000
32	2.9919455660	19.05	35	486164152
64	1.9201117360	29.68	36	487534050
128	1.5475433090	36.83	41	492492170

hard_1024

Threads	Time (s)	Speedup	Max Occupancy	Total Cost
1	64.8720710280	1	36	618912999
2	33.7490925060	1.92	36	619146595
4	17.3844000770	3.73	37	619496225
8	9.4772357950	6.85	37	619955739
16	5.4191564580	11.97	37	620125109
32	3.2725670350	19.82	39	620712719
64	2.2380154000	28.99	41	622977861
128	1.9022070040	34.10	41	623487359

GHC Performance

EASY 1024

n=8:

Initialization time (sec): 0.2536979940

Computation time (sec): 1.6819303750

Max occupancy: 16

Total cost: 97893214

n=4:

Initialization time (sec): 0.2484000930

Computation time (sec): 2.7316094570

Max occupancy: 15

Total cost: 97774552

n=1:

Initialization time (sec): 0.2835458000

Computation time (sec): 11.9929898680

Max occupancy: 15

Total cost: 97630466

MEDIUM 1024

n=8:

Initialization time (sec): 0.3205122770

Computation time (sec): 8.5659740240

Max occupancy: 39

n=4:

Initialization time (sec): 0.2649557420

Computation time (sec): 13.9098189100

Max occupancy: 35

Total cost: 486746212

n=1:

Initialization time (sec): 0.2681141450

Computation time (sec): 57.8962722330

Max occupancy: 32

Total cost: 485248700

HARD 1024

n=8:

Initialization time (sec): 0.2701241910

Computation time (sec): 11.3741200080

Max occupancy: 40

Total cost: 621024261

n=4:

Initialization time (sec): 0.2682024230

Computation time (sec): 15.7906743020

Max occupancy: 37

Total cost: 619496225

n=1:

Initialization time (sec): 0.3493588960

Computation time (sec): 66.9781249850

Max occupancy: 36

Total cost: 618856509