

Reload page

Main

CPUs

GPU-Fixed

GPU-Chg.

GPU-Dyn.

Memory

Disks

Files

Software

Calls

Parameters

Performance

Movie

Usage

Links

Dashboard

Help

Dashboard

MatrixWarrior Powered by *FMSlib* Copyright © Multipath Corporation

Performance Analysis for Subroutine **CNDF** ; Time used=54:10

COMPLETED				
19% I/O	12% Other	49% MM		16% TR

Total Processor Performance
(64-bit floating point operations per second)

Tera	Giga	Mega	Kilo	Flops
32	048	552	382	111

Component Performance (Gflops)

Routine	All	40 CPU s	GPU 1 39 °C 1328 MHz 44 Watts	GPU 2 43 °C 1328 MHz 42 Watts	GPU 3 44 °C 1328 MHz 45 Watts	GPU 4 43 °C 1328 MHz 46 Watts	GPU 5 43 °C 1328 MHz 46 Watts	GPU 6 46 °C 1328 MHz 43 Watts	GPU 7 47 °C 1328 MHz 46 Watts	GPU 8 42 °C 1328 MHz 45 Watts
Matrix Multiply <i>CPU(0%)</i>	32306	0	4054	4060	4051	4045	4047	4048	4053	4049
Triangle Solve <i>CPU(0%)</i>	33698	0	4236	4231	4239	4233	4221	4218	4218	4223
Diagonal Factor	22259	9	2939	2928	2908	2899	2915	2913	2901	2903
GPU model = Tesla P100-SXM2-16GB										

Time (Sec.)

Routine	All	CPU s	GPU 1	GPU 2	GPU 3	GPU 4	GPU 5	GPU 6	GPU 7	GPU 8
Matrix Multiply	1592	0	1585	1583	1586	1589	1588	1588	1586	1587
Triangle Solve	525	0	522	522	522	522	524	524	524	523
Diagonal										

Factor	130	6	121	122	124	125	124	125	127	128
Total Compute	2247	6	2228	2227	2231	2236	2236	2237	2237	2238
Assembly	19									
I/O wait	627									
HTML	5									
Other	372									
Overall	3251									

Times and Problem

Job Started	0	21:25:58 Wed Apr 11 2018	Equations	300000	Compute Rate (Gflops)	32049
Routine Started	160	21:28:39 Wed Apr 11 2018	Vectors	0	Read Rate (MBytes/Sec.)	2001
Current Time	3412	22:22:50 Wed Apr 11 2018	Block Size	61440 X 61440	Disk->Memory Reuse	122880
Estimated Completion	3412	22:22:50 Wed Apr 11 2018	Data Type	Complex	Disk Speed / Compute Speed	0.96