



CFP2000 Result

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SGI

SGI Altix 4700 Density System (Itanium2 Processor 9050 1.6GHz/24M)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 757

SPEC license #: 4 | Tested by: SGI | Test date: Jun-2006 | Hardware Avail: Jul-2006 | Software Avail: Jun-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	32	80.4	739			
171.swim	32	211	546			
172.mgrid	32	164	406			
173.applu	32	63.9	1219			
177.mesa	32	98.0	530			
178.galgel	32	38.7	2785			
179.art	32	13.3	7251			
183.quake	32	71.9	671			
187.facerec	32	80.7	874			
188.amp	32	126	648			
189.lucas	32	209	355			
191.fma3d	32	182	428			
200.sixtrack	32	97.4	419			
301.apsi	32	248	389			

Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 32 cores, 16 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1-512 chips
Parallel: No
Primary Cache: 16 KB (I) + 16 KB (D) on chip, per core
Secondary Cache: 1 MB (I) + 256 KB (D) on chip, per core
L3 Cache: 12MB (I+D) on chip, per core
Other Cache: N/A
Memory: 64 GB (8*1GB DDR2-400 DIMMS per 4 core module)
Disk Subsystem: 1 x 137 GB SCSI
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v4.0 Service Pack 3
Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523)
Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
File System: xfs
System State: Multi-user

Notes/Tuning Information

Baseline optimization flags:

C programs: -fast -ansi_alias -IPF_fp_relaxed +FDO
Fortran programs: -fast -IPF_fp_relaxed +FDO

Portability Flags:

178.galgel: -FI

Processes were bound to CPUs using dplace.