



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 3443

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	128	69.9	3399			
171.swim	128	106	4359			
172.mgrid	128	88.6	3016			
173.applu	128	53.0	5885			
177.mesa	128	98.9	2102			
178.galgel	128	40.0	10766			
179.art	128	13.8	28011			
183.quake	128	41.6	4636			
187.facerec	128	83.2	3389			
188.amp	128	128	2552			
189.lucas	128	137	2170			
191.fma3d	128	138	2253			
200.sixtrack	128	259	630			
301.apsi	128	242	1597			

Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 128 cores, 64 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: 12 MB (I+D) on chip, per core
Other Cache: N/A
Memory: 512 GB (8*1GB DDR2-400 DIMMS per 2 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.