



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 486

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	16	68.8	432			
171.swim	16	104	551			
172.mgrid	16	87.8	381			
173.applu	16	52.0	749			
177.mesa	16	98.1	265			
178.galgel	16	38.7	1390			
179.art	16	13.3	3625			
183.quake	16	40.8	591			
187.facerec	16	77.5	455			
188.amp	16	126	325			
189.lucas	16	114	325			
191.fma3d	16	136	286			
200.sixtrack	16	74.5	274			
301.apsi	16	238	203			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 16 cores, 8 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: 64 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.