



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 244

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	68.2	218			
171.swim	8	104	276			
172.mgrid	8	87.8	190			
173.applu	8	51.8	376			
177.mesa	8	98.1	132			
178.galgel	8	38.7	695			
179.art	8	13.3	1811			
183.quake	8	40.8	296			
187.facerec	8	77.1	229			
188.amp	8	126	162			
189.lucas	8	113	164			
191.fma3d	8	136	143			
200.sixtrack	8	70.5	145			
301.apsi	8	240	100			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 8 cores, 4 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: 32 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.