



CFP2000 Result

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SGI

SGI Altix 4700 Density System (Itanium 2 Processor 9040 1.6GHz/18M)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 752

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	32	63.6	934			
171.swim	32	211	545			
172.mgrid	32	167	399			
173.applu	32	68.0	1146			
177.mesa	32	95.2	546			
178.galgel	32	38.3	2813			
179.art	32	13.6	7095			
183.quake	32	75.2	642			
187.facerec	32	93.6	754			
188.amp	32	129	633			
189.lucas	32	216	343			
191.fma3d	32	182	429			
200.sixtrack	32	93.4	437			
301.apsi	32	262	368			

Hardware

CPU: Intel Dual-Core Itanium 2 Processor 9040 (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: 9 MB (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 146 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SUSE Linux Enterprise Server 9 Service Pack 3 + SGI ProPack(TM) 4 Service Pack 3
 Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060818)
 Intel(R) C++ Compiler for Linux 9.1 (Build 20060818)
 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.