



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 94.6

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	4	83.3	89.1			
171.swim	4	211	68.0			
172.mgrid	4	165	50.5			
173.applu	4	65.0	150			
177.mesa	4	102	63.4			
178.galgel	4	40.8	330			
179.art	4	14.1	853			
183.quake	4	72.3	83.5			
187.facerec	4	80.8	109			
188.amp	4	133	76.8			
189.lucas	4	206	45.0			
191.fma3d	4	185	52.6			
200.sixtrack	4	72.8	70.1			
301.apsi	4	249	48.5			

Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 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: 8 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.