



CFP2000 Result

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SGI

SGI Altix 3700 Bx2 (1600MHz 9M L3, Itanium 2)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 104

SPEC license #: 4 | Tested by: SGI | Test date: Oct-2004 | Hardware Avail: Nov-2004 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	68.9	108			
171.swim	4	136	106			
172.mgrid	4	115	72.9			
173.applu	4	54.7	178			
177.mesa	4	108	60.2			
178.galgel	4	40.3	334			
179.art	4	21.1	572			
183.quake	4	51.8	116			
187.facerec	4	101	87.0			
188.amp	4	133	76.9			
189.lucas	4	155	59.9			
191.fma3d	4	169	57.8			
200.sixtrack	4	68.9	74.0			
301.apsi	4	243	49.6			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 16-256
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip, per core
 Secondary Cache: 256KB (I+D) on chip, per core
 L3 Cache: 9.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 16 GB (1GB PC2700 DIMMS)
 Disk Subsystem: 16 x 73 GB FibreChannel (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 1
 Compiler: Intel(R) Fortran Compiler for Linux 8.1 (Build 20041021)
 Intel(R) C++ Compiler for Linux 8.1 (Build 20041021)
 File System: xfs
 System State: Single-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -fast -ansi_alias -IPF_fp_relaxed +FDO
 Fortran programs: -fast -IPF_fp_relaxed +FDO

Portability Flags:

178.galgel: -FI

Extra CPUs were disabled at firmware.
 Processes were bound to CPUs using dplace.