



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 813

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	32	69.4	856			
171.swim	32	137	842			
172.mgrid	32	116	577			
173.applu	32	55.0	1417			
177.mesa	32	108	482			
178.galgel	32	40.3	2668			
179.art	32	21.2	4562			
183.quake	32	52.2	924			
187.facerec	32	103	685			
188.amp	32	133	613			
189.lucas	32	159	467			
191.fma3d	32	169	461			
200.sixtrack	32	81.5	501			
301.apsi	32	252	382			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 32 cores, 32 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: 128 GB (32*1GB PC2700 DIMMS per 8 core module)
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

Processes were bound to CPUs using dplace.