



CFP2000 Result

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SGI
SGI Altix 3000 (900MHz, Itanium 2)

SPECfp_rate2000 = **352**
SPECfp_rate_base2000 = **352**

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2003 | Hardware Avail: Feb-2003 | Software Avail: Feb-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	32	190	313	32	190	313
171.swim	32	150	766	32	150	766
172.mgrid	32	142	470	32	142	470
173.applu	32	106	737	32	106	737
177.mesa	32	214	243	32	214	243
178.galgel	32	264	408	32	264	408
179.art	32	276	349	32	276	349
183.quake	32	99.2	486	32	99.2	486
187.facerec	32	217	326	32	217	326
188.amp	32	398	205	32	398	205
189.lucas	32	215	346	32	215	346
191.fma3d	32	329	237	32	329	237
200.sixtrack	32	150	273	32	150	273
301.apsi	32	449	215	32	449	215

Hardware

CPU: Intel Itanium 2
 CPU MHz: 900
 FPU: Integrated
 CPU(s) enabled: 32 cores, 32 chips, 1 core/chip
 CPU(s) orderable: 4-64
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 64 GB
 Disk Subsystem: 1 x 36 GB
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.1
 Compiler: Intel(R) Fortran Compiler for Linux 7.0 (Build 20021210)
 Intel(R) C++ Compiler for Linux 7.0 (Build 20021210)
 File System: xfs
 System State: Multi-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use
 Baseline optimization flags:
 C programs: -ipo -O3 +FDO -ansi_alias
 Fortran programs: -ipo -O3 +FDO

Portability Flags:
 178.galgel: -FI

Peak flags same as baseline (basepeak=true set globally).

Processes were bound to CPUs using dplace.