



CFP2000 Result

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SGI
SGI Altix 3000 (900MHz, Itanium 2)

SPECfp2000 = 1090
SPECfp_base2000 = 1082

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	183	876	183	876	
171.swim	3100	107	2909	107	2909	
172.mgrid	1800	114	1581	113	1595	
173.applu	2100	100	2097	100	2097	
177.mesa	1400	212	661	212	661	
178.galgel	2900	215	1350	215	1350	
179.art	2600	233	1118	233	1118	
183.earthquake	1300	85.0	1529	85.0	1529	
187.facerec	1900	197	964	197	964	
188.amp	2200	347	634	347	634	
189.lucas	2000	168	1192	163	1225	
191.fma3d	2100	297	708	297	708	
200.sixtrack	1100	148	744	148	744	
301.apsi	2600	427	609	397	655	

Hardware

CPU: Intel Itanium 2
 CPU MHz: 900
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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: 8 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: Single-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 optimization flags:
 168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: -O3 -ipo
 173.applu: basepeak=yes
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes
 183.earthquake: basepeak=yes



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Notes/Tuning Information (Continued)

```
187.facerec: basepeak=yes
188.amp: basepeak=yes
189.lucas: -O3 -ipo
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: -O3 -ipo
```

Processes were bound to CPUs using dplace.