CFP2000 Result

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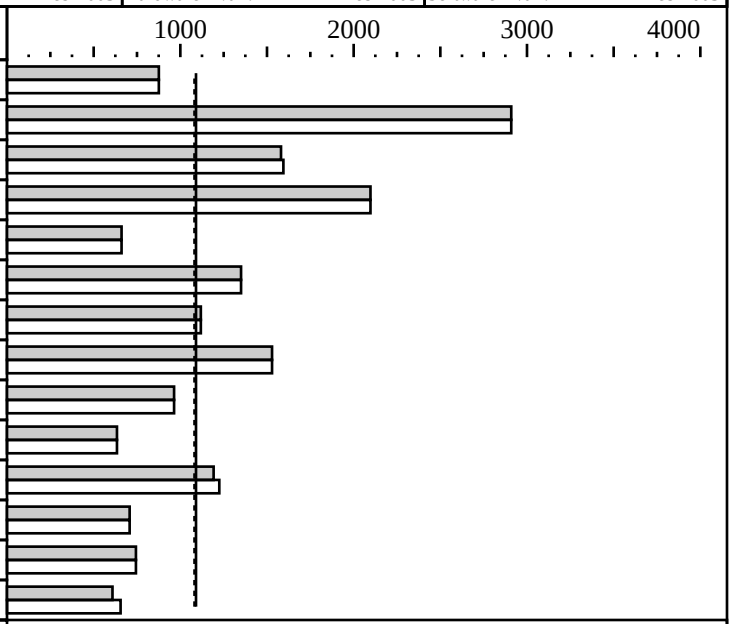
SGI
SGI Altix 3000 (900MHz, Itanium 2)

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.equake	1300	85.0	1529	85.0	1529
187.facerec	1900	197	964	197	964
188.ammp	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.equake: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
    187.facerec: basepeak=yes
    188.ammp: 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.
```