CFP2000 Result

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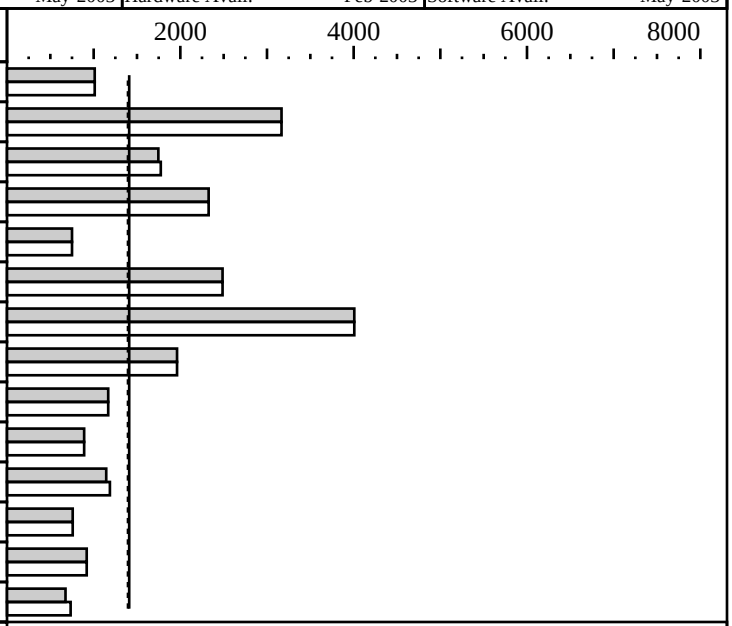
SGI
SGI Altix 3000 (1000MHz, Itanium 2)

SPECfp2000 = 1410

SPECfp_base2000 = 1396

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	158	1012	158	1012
171.swim	3100	97.9	3168	97.9	3168
172.mgrid	1800	103	1746	101	1774
173.applu	2100	90.3	2327	90.3	2327
177.mesa	1400	187	750	187	750
178.galgel	2900	117	2487	117	2487
179.art	2600	64.9	4007	64.9	4007
183.equake	1300	66.3	1962	66.3	1962
187.facerec	1900	163	1168	163	1168
188.ammp	2200	247	890	247	890
189.lucas	2000	175	1145	168	1187
191.fma3d	2100	277	758	277	758
200.sixtrack	1100	120	920	120	920
301.apsi	2600	385	675	354	734



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
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:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	2 GB
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.1
Compiler:	Intel(R) Fortran Compiler for Linux 7.1 (Build 20030422) Intel(R) C++ Compiler for Linux 7.1 (Build 20030422)
File System:	xfs
System State:	Single-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -ipo -O3 -ansi_alias +FDO
  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
```

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Notes/Tuning Information (Continued)

```
    183.equake: basepeak=yes
    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.
```