CFP2000 Result

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SGI

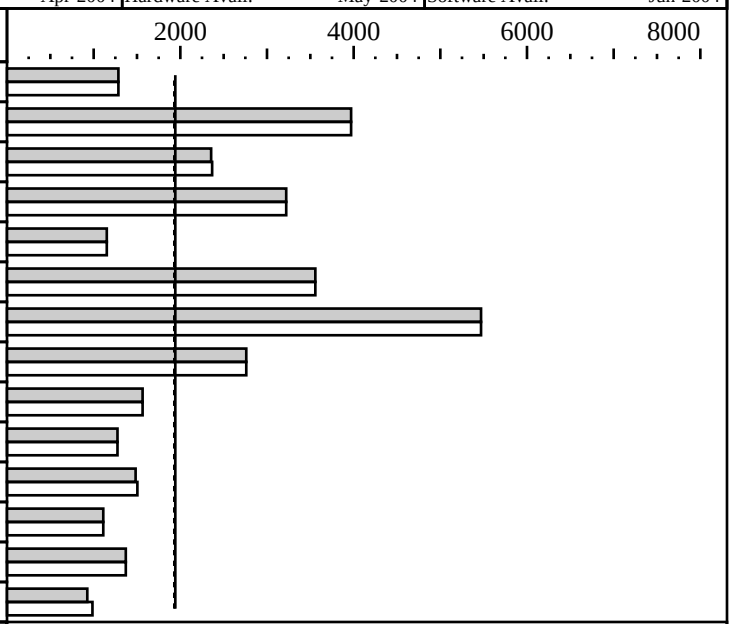
SGI Altix 350 (1400MHz/3MB, Itanium 2)

SPECfp2000 = 1942

SPECfp_base2000 = 1931

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Jun-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	124	1285	124	1285
171.swim	3100	78.1	3970	78.1	3970
172.mgrid	1800	76.4	2355	76.0	2367
173.applu	2100	65.2	3222	65.2	3222
177.mesa	1400	122	1151	122	1151
178.galgel	2900	81.5	3558	81.5	3558
179.art	2600	47.5	5470	47.5	5470
183.equake	1300	47.1	2761	47.1	2761
187.facerec	1900	121	1565	121	1565
188.ammp	2200	173	1275	173	1275
189.lucas	2000	135	1484	133	1504
191.fma3d	2100	189	1111	189	1111
200.sixtrack	1100	80.2	1371	80.2	1371
301.apsi	2600	281	926	264	986



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2-16
Parallel:	No
Primary Cache:	16KBI + 16KBD (on chip) per core
Secondary Cache:	256KB (on chip) per core
L3 Cache:	3.0MB (on chip) per core
Other Cache:	N/A
Memory:	4 GB (8*512MB PC2100 DIMMS)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0
Compiler:	Intel(R) Fortran Compiler for Linux 8.0 (Build 20040318) Intel(R) C++ Compiler for Linux 8.0 (Build 20040318)
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
```

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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
  Extra CPUs were disabled at firmware.
  Processes were bound to CPUs using runon.
```