CFP2000 Result

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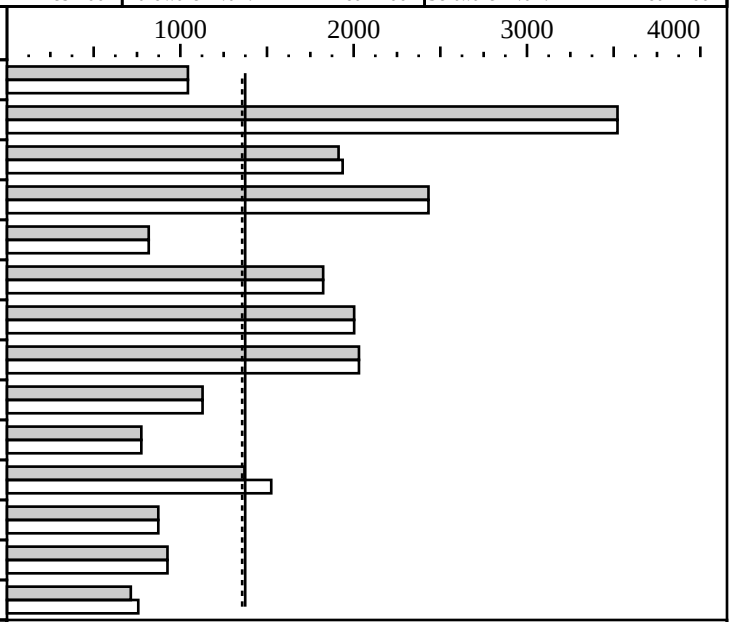
SGI
SGI Altix 350 (1000MHz, Itanium 2)

SPECfp2000 = 1374

SPECfp_base2000 = 1357

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2004 | Hardware Avail: Jan-2004 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	153	1044	153	1044
171.swim	3100	88.0	3522	88.0	3522
172.mgrid	1800	94.1	1913	93.0	1936
173.applu	2100	86.4	2432	86.4	2432
177.mesa	1400	171	818	171	818
178.galgel	2900	159	1824	159	1824
179.art	2600	130	2003	130	2003
183.equake	1300	64.0	2031	64.0	2031
187.facerec	1900	168	1128	168	1128
188.ammp	2200	284	775	284	775
189.lucas	2000	146	1370	131	1524
191.fma3d	2100	241	873	241	873
200.sixtrack	1100	119	926	119	926
301.apsi	2600	364	714	343	757



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
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 CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	1.5MB (on chip) per CPU
Other Cache:	N/A
Memory:	4 GB (8*512MB PC2700 DIMMS)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.4
Compiler:	Intel(R) Fortran Compiler for Linux 8.0 (Build 20040101) Intel(R) C++ Compiler for Linux 8.0 (Build 20040101)
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

  Processes were bound to CPUs using dplace.
```