CFP2000 Result

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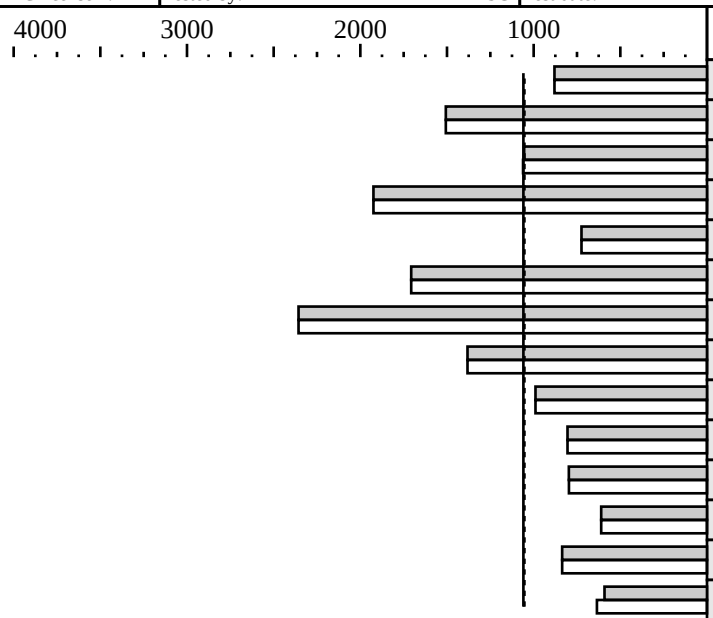
SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp_rate2000 = 1059

SPECfp_rate_base2000 = 1053

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	64	135	880	64	135	880
171.swim	64	153	1507	64	153	1507
172.mgrid	64	127	1055	64	126	1061
173.applu	64	81.0	1924	64	81.0	1924
177.mesa	64	144	724	64	144	724
178.galgel	64	126	1706	64	126	1706
179.art	64	81.9	2357	64	81.9	2357
183.equake	64	69.8	1382	64	69.8	1382
187.facerec	64	143	989	64	143	989
188.ammp	64	203	805	64	203	805
189.lucas	64	186	797	64	186	796
191.fma3d	64	255	610	64	255	610
200.sixtrack	64	97.7	836	64	97.7	836
301.apsi	64	326	591	64	304	635

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	64 cores, 64 chips, 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:	64 GB (8*512MB DIMMS per 4cpu module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.2
Compiler:	Intel(R) Fortran Compiler for Linux 7.1 (Build 20030507) Intel(R) C++ Compiler for Linux 7.1 (Build 20030507)
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.
```