CFP2000 Result

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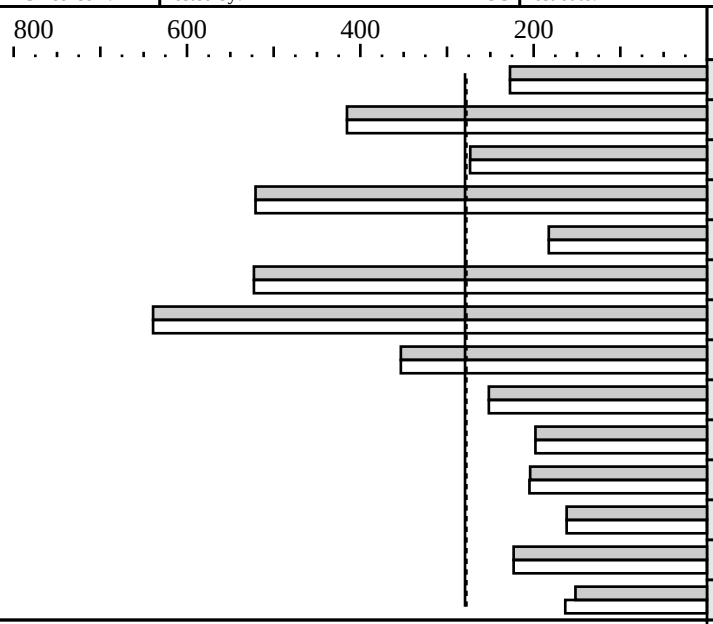
SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp_rate2000 = 279

SPECfp_rate_base2000 = 278

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	16	131	227	16	131	227
171.swim	16	139	415	16	139	415
172.mgrid	16	122	273	16	122	273
173.applu	16	74.8	521	16	74.8	521
177.mesa	16	142	183	16	142	183
178.galgel	16	103	523	16	103	523
179.art	16	75.5	639	16	75.5	639
183.equake	16	68.3	353	16	68.3	353
187.facerec	16	140	252	16	140	252
188.ammp	16	206	198	16	206	198
189.lucas	16	182	204	16	181	205
191.fma3d	16	241	162	16	241	162
200.sixtrack	16	91.5	223	16	91.5	223
301.apsi	16	318	152	16	295	164

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 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:	32 GB (16*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.
```