CFP2000 Result

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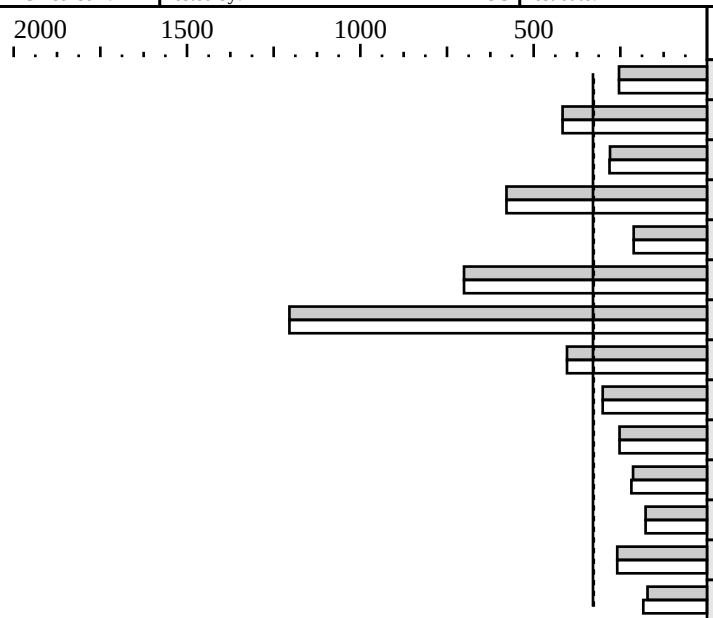
SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECfp_rate2000 = 329

SPECfp_rate_base2000 = 327

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	117	254	16	117	254
171.swim	16	138	417	16	138	417
172.mgrid	16	119	280	16	119	281
173.applu	16	67.4	578	16	67.4	578
177.mesa	16	123	211	16	123	211
178.galgel	16	76.8	701	16	76.8	701
179.art	16	40.1	1205	16	40.1	1205
183.equake	16	59.7	404	16	59.7	404
187.facerec	16	117	301	16	117	301
188.ammp	16	162	252	16	162	252
189.lucas	16	174	213	16	170	218
191.fma3d	16	220	177	16	220	177
200.sixtrack	16	78.8	259	16	78.8	259
301.apsi	16	281	172	16	263	184

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
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:	6.0MB (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.
```