CFP2000 Result

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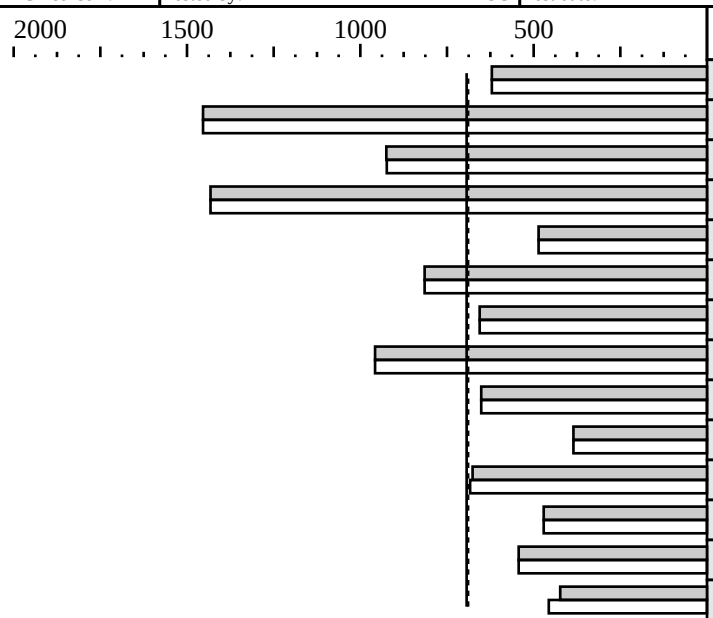
SGI
SGI Altix 3000 (900MHz, Itanium 2)

SPECfp_rate2000 = 693

SPECfp_rate_base2000 = 689

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	64	191	621	64	191	621
171.swim	64	158	1454	64	158	1454
172.mgrid	64	144	925	64	145	924
173.applu	64	109	1432	64	109	1432
177.mesa	64	214	486	64	214	486
178.galgel	64	264	815	64	264	815
179.art	64	294	656	64	294	656
183.equake	64	101	957	64	101	957
187.facerec	64	217	651	64	217	651
188.ammp	64	424	385	64	424	385
189.lucas	64	220	676	64	217	683
191.fma3d	64	331	471	64	331	471
200.sixtrack	64	150	543	64	150	543
301.apsi	64	456	423	64	423	456

Hardware

CPU:	Intel Itanium 2
CPU MHz:	900
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:	1.5MB (on chip) per CPU
Other Cache:	N/A
Memory:	128 GB (16*512MB DIMMS each 4-way module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.1
Compiler:	Intel(R) Fortran Compiler for Linux 7.0 (Build 20021210) Intel(R) C++ Compiler for Linux 7.0 (Build 20021210)
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
  183.equake: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
  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.
```