CFP2000 Result

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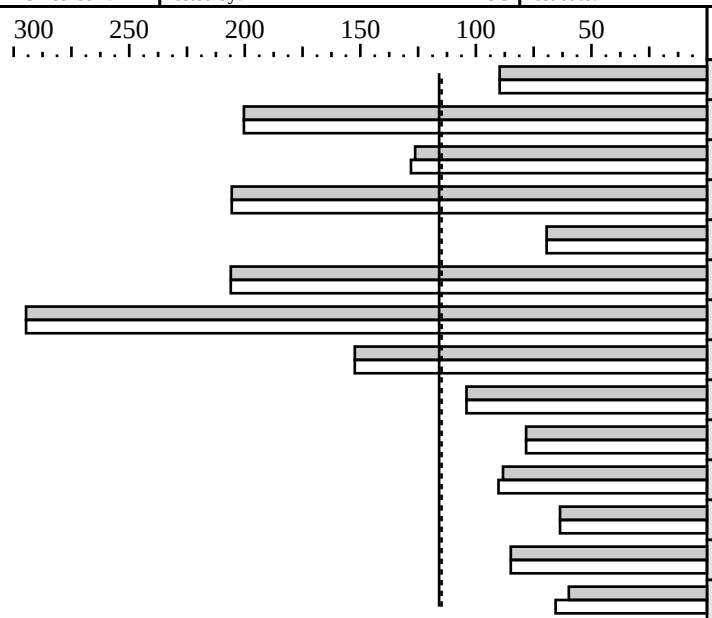
SGI
SGI Altix 3000 (1000MHz, Itanium 2)

SPECfp_rate2000 = 116

SPECfp_rate_base2000 = 115

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	165	89.7	8	165	89.7
171.swim	8	144	200	8	144	200
172.mgrid	8	132	126	8	130	128
173.applu	8	94.8	206	8	94.8	206
177.mesa	8	187	69.4	8	187	69.4
178.galgel	8	131	206	8	131	206
179.art	8	81.9	295	8	81.9	295
183.equake	8	79.2	152	8	79.2	152
187.facerec	8	169	104	8	169	104
188.ammp	8	261	78.3	8	261	78.3
189.lucas	8	210	88.3	8	206	90.2
191.fma3d	8	306	63.6	8	306	63.6
200.sixtrack	8	120	84.9	8	120	84.9
301.apsi	8	404	59.8	8	368	65.5

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 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:	16 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) v2.1
Compiler:	Intel(R) Fortran Compiler for Linux 7.1 (Build 20030327) Intel(R) C++ Compiler for Linux 7.1 (Build 20030327)
File System:	xfs
System State:	Single-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -ipo -O3 -ansi_alias +FDO
  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.
```