CFP2000 Result

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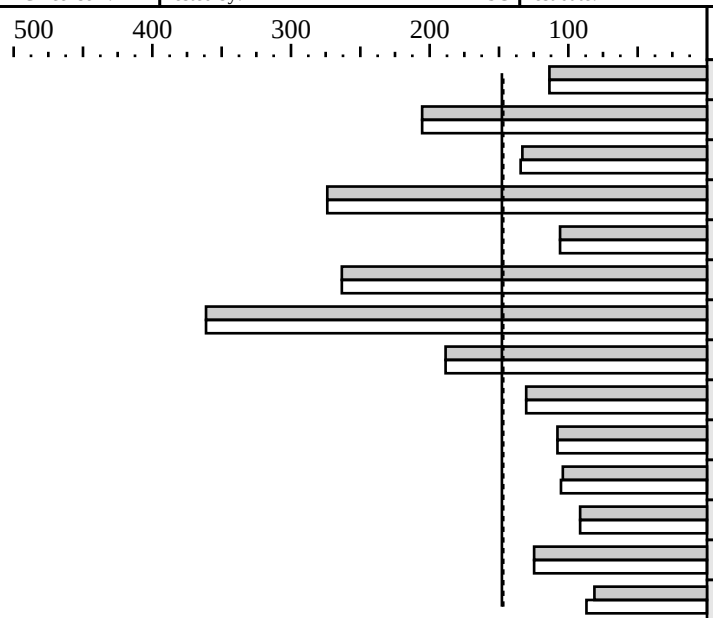
SGI

SGI Altix 350 (1400MHz/3MB, Itanium 2)

SPECfp_rate2000 = 148

SPECfp_rate_base2000 = 147

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Jun-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	131	114	8	131	114
171.swim	8	140	205	8	140	205
172.mgrid	8	125	133	8	124	134
173.applu	8	71.2	274	8	71.2	274
177.mesa	8	123	106	8	123	106
178.galgel	8	102	263	8	102	263
179.art	8	66.8	361	8	66.8	361
183.equake	8	64.0	189	8	64.0	189
187.facerec	8	135	130	8	135	130
188.ammp	8	189	108	8	189	108
189.lucas	8	179	104	8	176	105
191.fma3d	8	213	91.5	8	213	91.5
200.sixtrack	8	81.9	125	8	81.9	125
301.apsi	8	297	81.2	8	278	86.9

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	2-16
Parallel:	No
Primary Cache:	16KBI + 16KBD (on chip) per core
Secondary Cache:	256KB (on chip) per core
L3 Cache:	3.0MB (on chip) per core
Other Cache:	N/A
Memory:	32 GB (16*512MB PC2100 DIMMS per 2core module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0
Compiler:	Intel(R) Fortran Compiler for Linux 8.0 (Build 20040318) Intel(R) C++ Compiler for Linux 8.0 (Build 20040318)
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.
```