CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

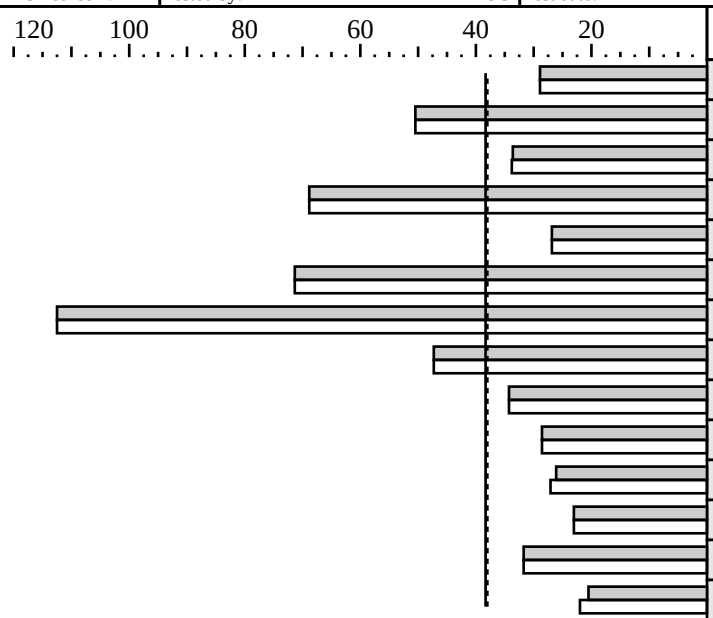
SGI

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

SPECfp_rate2000 = 38.3

SPECfp_rate_base2000 = 38.0

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	2	128	28.9	2	128	28.9
171.swim	2	142	50.5	2	142	50.5
172.mgrid	2	124	33.6	2	124	33.8
173.applu	2	70.8	68.8	2	70.8	68.8
177.mesa	2	121	26.8	2	121	26.8
178.galgel	2	94.3	71.3	2	94.3	71.3
179.art	2	53.6	112	2	53.6	112
183.equake	2	63.8	47.3	2	63.8	47.3
187.facerec	2	129	34.3	2	129	34.3
188.ammp	2	179	28.6	2	179	28.6
189.lucas	2	178	26.1	2	171	27.1
191.fma3d	2	211	23.0	2	211	23.0
200.sixtrack	2	80.4	31.7	2	80.4	31.7
301.apsi	2	294	20.5	2	274	22.0

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 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:	8 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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.
```