CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

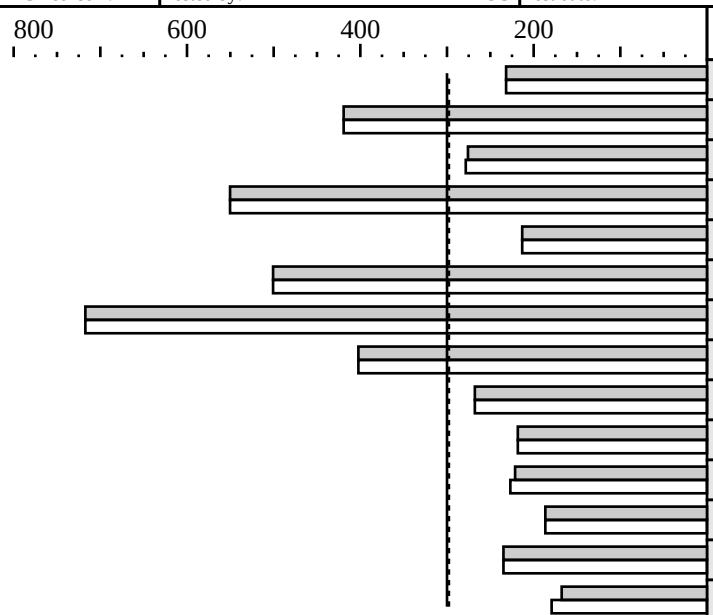
SGI

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

SPECfp_rate2000 = 300

SPECfp_rate_base2000 = 298

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	128	232	16	128	232
171.swim	16	137	419	16	137	419
172.mgrid	16	121	276	16	120	278
173.applu	16	70.8	550	16	70.8	550
177.mesa	16	122	213	16	122	213
178.galgel	16	108	501	16	108	501
179.art	16	67.3	717	16	67.3	717
183.equake	16	60.0	402	16	60.0	402
187.facerec	16	132	268	16	132	268
188.ammp	16	187	218	16	187	218
189.lucas	16	168	221	16	164	227
191.fma3d	16	209	187	16	209	187
200.sixtrack	16	86.9	235	16	86.9	235
301.apsi	16	288	168	16	269	179

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 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:	64 GB (16*512MB PC2700 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.
```