CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

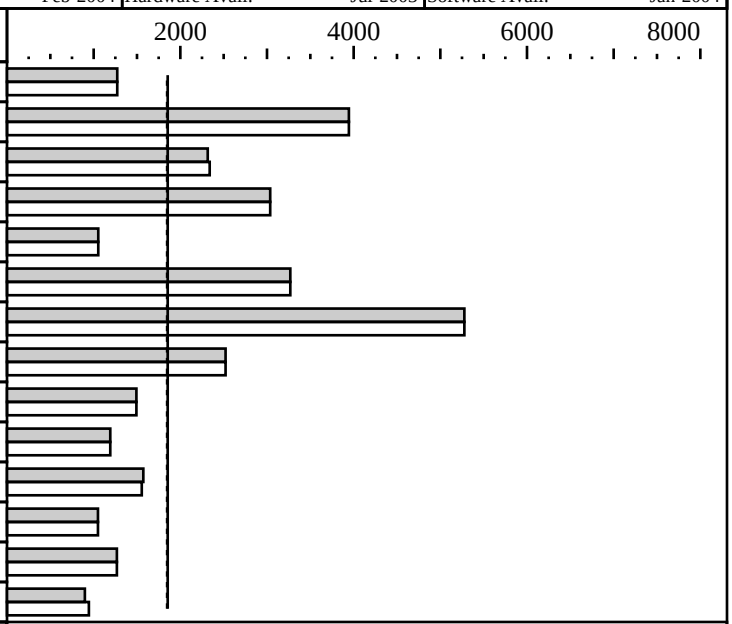
SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp2000 = 1854

SPECfp_base2000 = 1848

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2004 | Hardware Avail: Jul-2003 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	126	1272	126	1272
171.swim	3100	78.6	3945	78.6	3945
172.mgrid	1800	77.7	2316	77.0	2339
173.applu	2100	69.1	3037	69.1	3037
177.mesa	1400	133	1053	133	1053
178.galgel	2900	88.7	3269	88.7	3269
179.art	2600	49.3	5277	49.3	5277
183.equake	1300	51.5	2522	51.5	2522
187.facerec	1900	127	1493	127	1493
188.ammp	2200	185	1192	185	1192
189.lucas	2000	127	1573	129	1555
191.fma3d	2100	200	1050	200	1050
200.sixtrack	1100	86.8	1268	86.8	1268
301.apsi	2600	289	898	275	945



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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:	4 GB (8*512MB PC2700 DIMMS)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.4
Compiler:	Intel(R) Fortran Compiler for Linux 8.0 (Build 20040101) Intel(R) C++ Compiler for Linux 8.0 (Build 20040101)
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

'ELILO boot: linux maxcpus=1' used to deconfigure other
processors
```