CFP2000 Result

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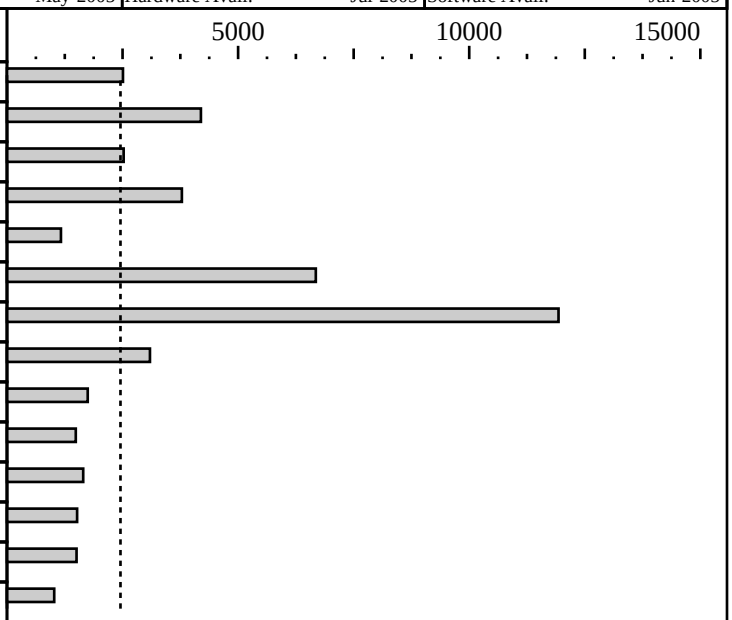
SGI
SGI Altix 330 (1500MHz, Itanium 2)

SPECfp2000 = --

SPECfp_base2000 = 2455

SPEC license #: 4 | Tested by: SGI | Test date: May-2005 | Hardware Avail: Jul-2005 | Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	63.8	2509		
171.swim	3100	73.9	4195		
172.mgrid	1800	71.3	2524		
173.applu	2100	55.5	3783		
177.mesa	1400	120	1167		
178.galgel	2900	43.4	6681		
179.art	2600	21.8	11932		
183.equake	1300	42.0	3093		
187.facerec	1900	109	1746		
188.ammp	2200	148	1488		
189.lucas	2000	121	1649		
191.fma3d	2100	138	1517		
200.sixtrack	1100	73.1	1505		
301.apsi	2600	255	1021		



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2-16
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	4.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	4 GB (4*1GB PC2700 DIMMS)
Disk Subsystem:	1 x 73 GB SCSI (Seagate Cheetah 10k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0 Service Pack 6
Compiler:	Intel(R) Fortran Itanium(R) Compiler for Linux 8.1 (Build 20041021) Intel(R) C++ Itanium(R) Compiler for Linux 8.1 (Build 20041021)
File System:	xfs
System State:	Multi-user

Notes/Tuning Information

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

Baseline optimization flags:
  C programs:       -fast -ansi_alias -IPF_fp_relaxed +FDO
  Fortran programs: -fast -IPF_fp_relaxed +FDO

Portability Flags:
  178.galgel:  -FI

Peak optimization flags:
  168.wupwise: basepeak=yes
  171.swim: basepeak=yes
  172.mgrid: -fast -IPF_fp_relaxed
  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: basepeak=yes
```