



CFP2000 Result

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Sun Microsystems
Sun Fire V65x (3.06 GHz Xeon)

SPECfp2000 = 1011
SPECfp_base2000 = 1010

SPEC license #: 6 Tested by: Sun Microsystems Test date: Apr-2003 Hardware Avail: May-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	125	1285	125	1285	[Bar chart showing ratio 1285]			
171.swim	3100	212	1460	212	1460	[Bar chart showing ratio 1460]			
172.mgrid	1800	189	954	188	956	[Bar chart showing ratio 956]			
173.applu	2100	207	1014	207	1014	[Bar chart showing ratio 1014]			
177.mesa	1400	103	1353	103	1353	[Bar chart showing ratio 1353]			
178.galgel	2900	194	1498	194	1498	[Bar chart showing ratio 1498]			
179.art	2600	383	679	383	679	[Bar chart showing ratio 679]			
183.quake	1300	105	1236	105	1238	[Bar chart showing ratio 1238]			
187.facerec	1900	149	1271	149	1271	[Bar chart showing ratio 1271]			
188.amp	2200	398	553	398	553	[Bar chart showing ratio 553]			
189.lucas	2000	161	1242	161	1242	[Bar chart showing ratio 1242]			
191.fma3d	2100	202	1041	202	1041	[Bar chart showing ratio 1041]			
200.sixtrack	1100	201	548	198	555	[Bar chart showing ratio 555]			
301.apsi	2600	350	743	350	743	[Bar chart showing ratio 743]			

Hardware

CPU: Intel Xeon (533MHz system bus)
CPU MHz: 3066
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: None
Other Cache: None
Memory: 2GB (2 x 1GB)
Disk Subsystem: 1 x 36GB Seagate Ultra320 SCSI
Other Hardware: None

Software

Operating System: Red Hat Linux 7.3
Compiler: Intel(R) Fortran Compiler for 32-bit applications
Version 7.1 Build 20030402Z
Intel(R) C++ Compiler for 32-bit applications
Version 7.1 Build 20030307Z
Microquill SmartHeap 6.02
File System: ext2
System State: Multi-User (run level 3), hyperthreading disabled in BIOS

Notes/Tuning Information

Portability:
178.galgel: -FI

Profile Feedback (+FDO):
rm -rf `pwd`/*.dyn `pwd`/*.dpi `pwd`/*.il
Pass 1: -prof_gen
Pass 2: -prof_use

Base Flags:
Base tuning: -xW -ipo -O3 +FDO

Peak Flags:
168.wupwise: basepeak=yes
171.swim: basepeak=yes
172.mgrid: -ipo -xW -O3 -L\${SH_PATH} -lsmartheap +FDO
172.mgrid: (SH_PATH is the path to the SmartHeap library)



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Notes/Tuning Information (Continued)

```
173.applu: basepeak=yes
177.mesa: basepeak=yes
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -ipo -xW -rcd -O3 +FDO
187.facerec: basepeak=yes
188.amp: basepeak=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: -ipo -xW +FDO
301.apsi: basepeak=yes
2nd processor physically removed
```