CFP2000 Result

Non-Compliant

Sun Microsystems
Sun Blade Model 2050

SPECfp_rate2000 = NC
SPECfp_rate_base2000 = NC

SPEC license #:	6	Tested by:	Sun Microsystems, Palo Alto	Test date:	Nov-2001	Hardware Avail:	Feb-2002	Software Avail:	Feb-2002

SPEC has determined that this result was not in compliance with the SPEC CPU2000 run and reporting rules. Specifically, the original tester has discovered that performance of the final system changed by more than 1.75% versus the tested system, and has requested that this result be marked non-compliant. Replacement results can be found at: http://www.spec.org/cpu2000/results/res2002q2/cpu2000-20020422-01316.asc

5 4 3 2 1

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	NC	NC	2	NC	NC
171.swim	2	NC	NC	2	NC	NC
172.mgrid	2	NC	NC	2	NC	NC
173.applu	2	NC	NC	2	NC	NC
177.mesa	2	NC	NC	2	NC	NC
178.galgel	2	NC	NC	2	NC	NC
179.art	2	NC	NC	2	NC	NC
183.equake	2	NC	NC	2	NC	NC
187.facerec	2	NC	NC	2	NC	NC
188.ammp	2	NC	NC	2	NC	NC
189.lucas	2	NC	NC	2	NC	NC
191.fma3d	2	NC	NC	2	NC	NC
200.sixtrack	2	NC	NC	2	NC	NC
301.apsi	2	NC	NC	2	NC	NC

Hardware

CPU:	UltraSPARC III Cu
CPU MHz:	1050
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	2
Parallel:	No
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2 x 73GB
Other Hardware:	None

Software

Operating System:	Solaris 8 10/01
Compiler:	Forte Developer 7 EA
File System:	tmpfs
System State:	Multi-User

Notes/Tuning Information

```
Portability:
 178.galgel: -e -fixed

Base Flags:
 Base C flags: -fast -xipo=2 -xalias_level=std -xprofile
```

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Notes/Tuning Information (Continued)

```
 Base F90 flags: -fast -xcrossfile -lprism32 -xprofile

Peak Flags:
 168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: basepeak=yes
 173.applu: -fast -Qoption iropt -Adata_access,-Mt7000,-Mm14000,-Mr40000,-Ma400,-whole
            -xregs=syst -Qoption iropt -Rscalarrep,-MR -Qoption cg -Qlp=1-av=192-fa=1
            -Qoption f90comp -O3
 177.mesa: -fast -xcrossfile -xalias_level=strong -xprofile
 178.galgel: -fast -xcrossfile -xregs=syst -Qoption iropt -Addint:sf=9 -lsunperf -xprofile
 179.art: basepeak=yes
 183.equake: -fast -xalias_level=strong -xdepend -W2,-whole,-Amemopt:arrayloc -xprefetch
             -Wc,-Qms_pipe-pref,-Qlp=1-av=256-t=4-fa=1-fl=1 -lprism32 -lmopt -xprofile
 187.facerec: basepeak=yes
 188.ammp: -fast -xcrossfile -xalias_level=std -lprism32 -xprofile
 189.lucas: -fast -Qoption f90comp -array_pad_rows,2002 -Qoption iropt -whole
            -xdepend -xprefetch -Qoption cg -Qms_pipe-pref,-Qlp=1-t=3-fa=1
            -lprism32 -xprofile
 191.fma3d: -fast -xcrossfile -stackvar -xdepend -xprefetch
            -Qoption cg -Qlp=1-av=256-t=3-fa=1 -xprofile
 200.sixtrack: basepeak=yes
 301.apsi: -fast -Qoption iropt -Mt450 -lprism32 -xprofile

Forte Developer 7 EA (Early Access) will ship by Feb-2002
Forte Developer 7 (final) will ship May-2002

ONESTEP=yes for all benchmarks in peak and Fortran benchmarks in base

Shell Environments:
 LD_LIBRARY_PATH=/usr/lib:/opt/fd7/lib/v8plusb:/opt/fd7/YNH/lib/v8plusb
 PRISM_HEAP=268435456
 PRISM_MODE=2

 Stack size set to unlimited via "ulimit -s unlimited"

Kernel Parameters (/etc/system):
 set shmsys:shminfo_shmmin=1
 set shmsys:shminfo_shmmax=1477846784
 set shmsys:shminfo_shmmni=256
 set shmsys:shminfo_shmseg=400

System configuration details located (as of Nov 2001) at
     http://www.sun.com/desktop/products/ws.html
```