CFP2000 Result

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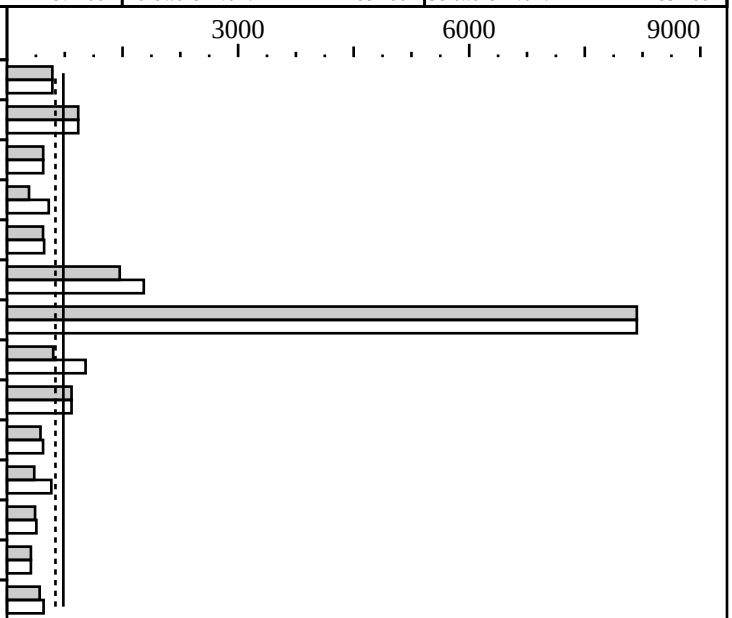
Sun Microsystems
Sun Blade 1000 Model 900 Cu

SPECfp2000 = 731

SPECfp_base2000 = 629

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	272	589	272	589
171.swim	3100	335	925	335	925
172.mgrid	1800	383	470	383	470
173.applu	2100	735	286	387	542
177.mesa	1400	299	468	290	482
178.galgel	2900	198	1463	163	1775
179.art	2600	31.8	8176	31.8	8176
183.equake	1300	217	600	127	1020
187.facerec	1900	227	838	227	838
188.ammp	2200	506	435	470	468
189.lucas	2000	565	354	348	575
191.fma3d	2100	577	364	551	381
200.sixtrack	1100	354	310	354	310
301.apsi	2600	613	424	548	475



Hardware

CPU:	UltraSPARC III Cu
CPU MHz:	900
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	None
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1 x 36GB
Other Hardware:	--

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
 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
```

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Notes/Tuning Information (Continued)

```
  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 (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 Dec 2001) at
     http://www.sun.com/desktop/products/ws.html
```