CFP2000 Result

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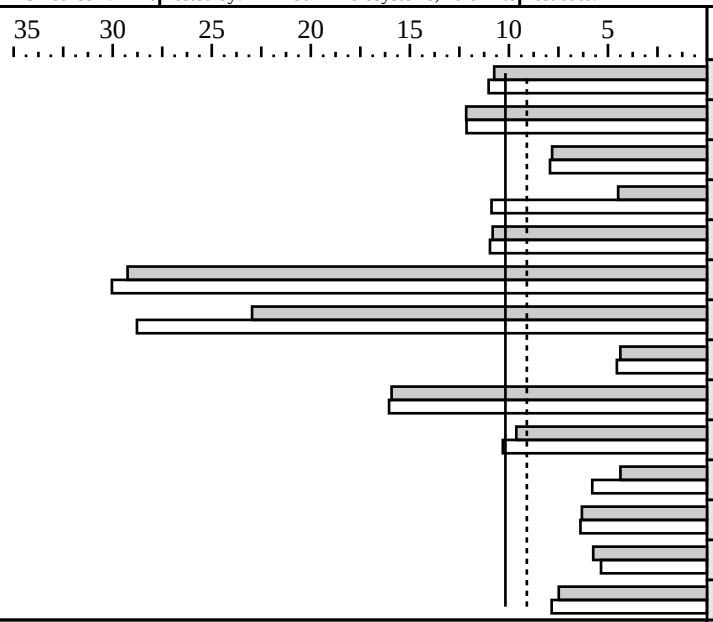
Sun Microsystems
Sun Blade 1000 Model 2900

SPECfp_rate2000 = 10.2

SPECfp_rate_base2000 = 9.09

SPEC license #: 6 | Tested by: Sun Microsystems, Palo Alto | Test date: Sep-2000 | Hardware Avail: Dec-2000 | Software Avail: Oct-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	346	10.7	2	337	11.0
171.swim	2	592	12.2	2	592	12.1
172.mgrid	2	534	7.82	2	527	7.93
173.applu	2	1086	4.49	2	448	10.9
177.mesa	2	300	10.8	2	296	11.0
178.galgel	2	230	29.2	2	224	30.0
179.art	2	263	23.0	2	210	28.8
183.equake	2	689	4.37	2	663	4.55
187.facerec	2	277	15.9	2	275	16.0
188.ammp	2	530	9.63	2	495	10.3
189.lucas	2	1062	4.37	2	801	5.79
191.fma3d	2	771	6.32	2	763	6.39
200.sixtrack	2	444	5.74	2	477	5.35
301.apsi	2	806	7.48	2	769	7.84

Hardware

CPU:	UltraSPARC-III
CPU MHz:	900
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	1GB
Disk Subsystem:	1 x 18GB
Other Hardware:	--

Software

Operating System:	Solaris 8 update 2
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	single user

Notes/Tuning Information

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

Base C   flags: -fast -xcrossfile -xprofile -xalias_level=std
Base F90 flags: -fast -xcrossfile -xprofile

Peak:
168.wupwise: -fast -xcrossfile -stackvar -xregs=syst
171.swim: -fast -xchip=ultra2
172.mgrid: f77 -fast -xregs=syst
173.applu: f77 -fast -Qoption iropt -Adata_access,-Mt6000,-Mm12000,-Mr40000,-Ma400,-whole
                -xregs=syst
177.mesa: -fast -xcrossfile -xalias_level=strong -xprofile
178.galgel: -fast -xcrossfile -xregs=syst -xprofile -dn
179.art: -fast -xalias_level=strong -xdepend -xregs=syst -xprofile -dn -lmopt
183.equake: -fast -xalias_level=strong -xdepend -xprofile -lmopt
187.facerec: -fast -xcrossfile -stackvar -xprofile
```

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Notes/Tuning Information (Continued)

```
 188.ammp: -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -W2,-whole -xprofile
 189.lucas: -fast -qoption f90comp -array_pad_rows,1024 -Qoption iropt -whole -xprofile
 191.fma3d: -fast -xcrossfile -stackvar -xprofile
 200.sixtrack: -fast -xcrossfile -xprofile
 301.apsi: -fast -qoption f90comp -expansion -xprofile

Note: ONESTEP=yes in base and peak for all benchmarks.
Stack size set to unlimited by: ulimit -s unlimited
Note: Forte Developer 6 update 1 patches include:
         109503-07,109505-08,109506-06,109513-06
For results with recommended patch 111228-01 and obp 4.0.40 (or later),
see publication in July-2001
```