CFP2000 Result

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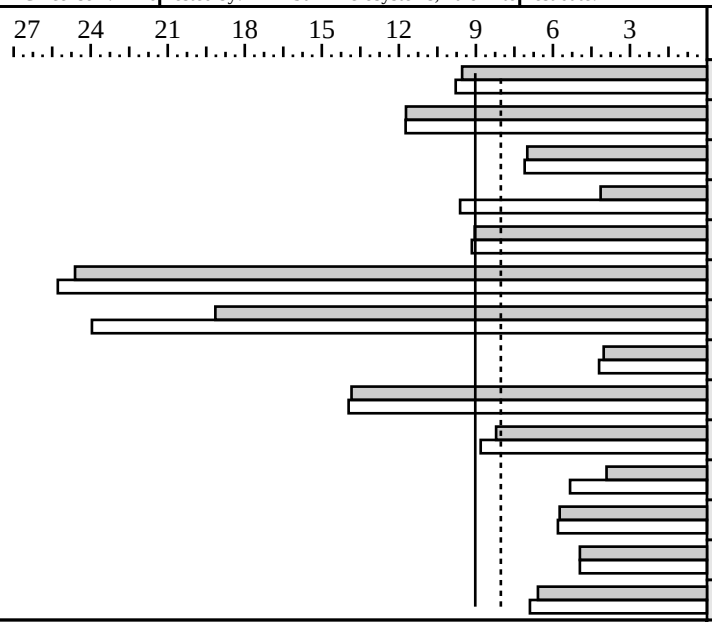
Sun Microsystems
Sun Blade 1000 Model 2750

SPECfp_rate2000 = 9.02

SPECfp_rate_base2000 = 8.03

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	389	9.54	2	379	9.79
171.swim	2	614	11.7	2	613	11.7
172.mgrid	2	597	7.00	2	588	7.10
173.applu	2	1176	4.14	2	507	9.61
177.mesa	2	359	9.05	2	355	9.16
178.galgel	2	273	24.6	2	266	25.3
179.art	2	315	19.1	2	252	24.0
183.equake	2	750	4.02	2	718	4.20
187.facerec	2	318	13.8	2	316	14.0
188.ammp	2	621	8.21	2	579	8.81
189.lucas	2	1186	3.91	2	870	5.33
191.fma3d	2	849	5.74	2	839	5.81
200.sixtrack	2	516	4.95	2	516	4.95
301.apsi	2	916	6.58	2	875	6.90

Hardware

CPU:	UltraSPARC-III
CPU MHz:	750
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)

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 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
```