



# 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.quake	2	750	4.02	2	718	4.20
187.facerec	2	318	13.8	2	316	14.0
188.amp	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.quake: -fast -xalias\_level=strong -xdepend -xprofile -lmopt  
187.facerec: -fast -xcrossfile -stackvar -xprofile



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## Notes/Tuning Information (Continued)

```
188.amp: -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