



# CFP2000 Result

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Sun Microsystems  
Sun Blade 1000 Model 2750

SPECfp\_rate2000 = 8.56

SPECfp\_rate\_base2000 = 7.07

SPEC license #: 6 Tested by: Sun Microsystems, Palo Alto Test date: Jun-2001 Hardware Avail: Sep-2000 Software Avail: Jul-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	455	8.16	2	455	8.16
171.swim	2	1244	5.78	2	1221	5.89
172.mgrid	2	953	4.38	2	954	4.38
173.applu	2	1241	3.93	2	539	9.04
177.mesa	2	354	9.16	2	354	9.18
178.galgel	2	379	17.7	2	379	17.7
179.art	2	332	18.1	2	139	43.4
183.equake	2	759	3.97	2	421	7.16
187.facerec	2	306	14.4	2	306	14.4
188.amp	2	640	7.98	2	614	8.31
189.lucas	2	1163	3.99	2	864	5.37
191.fma3d	2	892	5.46	2	864	5.64
200.sixtrack	2	490	5.21	2	489	5.21
301.apsi	2	960	6.28	2	960	6.28

### 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: None  
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 36GB  
Other Hardware: --

### Software

Operating System: Solaris 8 1/01  
Compiler: Forte Developer 6 update 2  
File System: UFS  
System State: Single User

## Notes/Tuning Information

Portability:  
178.galgel: -e -fixed

Base Flags:  
Base C flags: -fast -xcrossfile -xprofile -xalias\_level=std  
Base F90 flags: -fast -xcrossfile -xprofile

Peak Flags:  
168.wupwise: basepeak=yes  
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: basepeak=yes  
179.art: -fast -xalias\_level=strong -xdepend -xregs=syst -W2,-whole,-Amemopt -xprofile -dn -lmopt



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## Notes/Tuning Information (Continued)

```
183.quake: -fast -xalias_level=strong -xdepend -W2,-whole,-Amemopt -xprofile -lmopt
187.facerec: basepeak=yes
188.ammp: -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst
        -W2,-whole -xprefetch -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: basepeak=yes
```

### Note:

```
ONESTEP=yes for all benchmarks.
Stack size set to unlimited by: ulimit -s unlimited
```

System configuration details located (as of June 2001) at  
<http://www.sun.com/desktop/sunblade1000>