



# CFP2000 Result

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Sun Microsystems  
Sun Blade 1000 Model 1750

SPECfp2000 = 395  
SPECfp\_base2000 = 326

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	424	377	424	377
171.swim	3100	1052	295	1037	299
172.mgrid	1800	847	213	848	212
173.applu	2100	1109	189	514	408
177.mesa	1400	351	398	351	399
178.galgel	2900	377	770	377	770
179.art	2600	333	781	138	1887
183.quake	1300	688	189	379	343
187.facerec	1900	294	646	294	646
188.amp	2200	628	350	599	367
189.lucas	2000	1079	185	756	265
191.fma3d	2100	815	258	785	267
200.sixtrack	1100	449	245	448	245
301.apsi	2600	916	284	916	284

### Hardware

CPU: UltraSPARC-III  
CPU MHz: 750  
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: 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)

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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>