



# CFP2000 Result

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Sun Microsystems  
Sun Blade 1000 Model 1750

SPECfp2000 = 359

SPECfp\_base2000 = 323

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	439	365	439	365
171.swim	3100	1046	296	1035	300
172.mgrid	1800	849	212	845	213
173.applu	2100	1054	199	491	428
177.mesa	1400	360	389	358	391
178.galgel	2900	382	760	382	760
179.art	2600	321	811	271	959
183.earthquake	1300	682	191	645	201
187.facerec	1900	342	555	333	570
188.ammmp	2200	631	348	581	379
189.lucas	2000	1099	182	815	245
191.fma3d	2100	789	266	791	265
200.sixtrack	1100	459	240	459	240
301.apsi	2600	905	287	864	301

### 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 18GB  
Other Hardware: --

### Software

Operating System: Solaris 8 10/00  
Compiler: Forte Developer 6 update 1 w/ latest patches  
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: 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 -xprofile -dn -lmopt

183.earthquake: -fast -xalias\_level=strong -xdepend -xprofile -lmopt

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## Notes/Tuning Information (Continued)

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187.facerec: -fast -xcrossfile -stackvar -xprofile
188.ammf: -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: -fast -qoption f90comp -expansion -xprofile
```

Note: ONESTEP=yes for all benchmarks.

Stack size set to unlimited by: ulimit -s unlimited

Forte Developer 6 update 1 patches include:

109503-07,109504-01,109505-08,109506-06,109508-01,109510-01,109513-06

Patch 111228-01 and obp 4.0.40 (or later) is required.

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