



CFP2000 Result

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Sun Microsystems
Sun Blade 1000 Model 1750

SPECfp2000 = 421
SPECfp_base2000 = 373

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	367	436	352	455	
171.swim	3100	435	713	421	736	
172.mgrid	1800	547	329	540	334	
173.applu	2100	1042	202	481	436	
177.mesa	1400	359	390	354	396	
178.galgel	2900	273	1063	266	1092	
179.art	2600	316	824	252	1032	
183.earthquake	1300	678	192	644	202	
187.facerec	1900	307	619	304	625	
188.ammmp	2200	610	360	567	388	
189.lucas	2000	1108	181	770	260	
191.fma3d	2100	776	271	764	275	
200.sixtrack	1100	474	232	474	232	
301.apsi	2600	877	297	841	309	

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: 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.earthquake: -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.ammf: -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