



CFP2000 Result

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Sun Microsystems Sun Blade 1000 Model 1600

SPECfp2000 = 339

SPECfp_base2000 = 302

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	439	364	419	382	
171.swim	3100	489	634	482	643	
172.mgrid	1800	656	274	647	278	
173.applu	2100	1204	174	589	357	
177.mesa	1400	458	306	453	309	
178.galgel	2900	338	859	332	873	
179.art	2600	380	684	307	846	
183.earthquake	1300	804	162	758	171	
187.facerec	1900	466	408	468	406	
188.amp	2200	928	237	872	252	
189.lucas	2000	1298	154	878	228	
191.fma3d	2100	948	221	927	227	
200.sixtrack	1100	583	189	583	189	
301.apsi	2600	985	264	946	275	

Hardware

CPU: UltraSPARC-III
CPU MHz: 600
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: 4MB(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.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