CFP2000 Result

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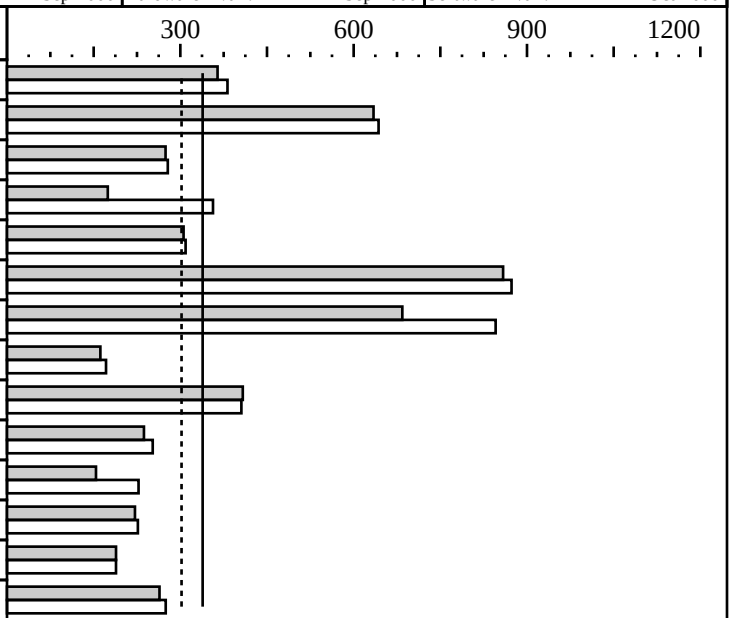
Sun Microsystems
Sun Blade 1000 Model 1600

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.equake	1300	804	162	758	171
187.facerec	1900	466	408	468	406
188.ammp	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

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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.equake: -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.ammp: -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
```