CFP2000 Result

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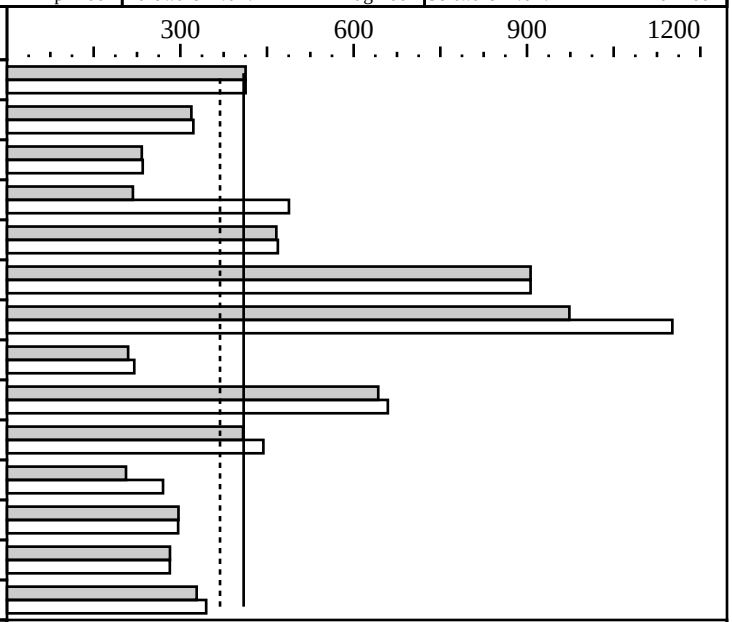
Sun Microsystems
Sun Blade 1000 Model 1900

SPECfp2000 = 410

SPECfp_base2000 = 369

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	387	413	387	413
171.swim	3100	971	319	961	323
172.mgrid	1800	772	233	766	235
173.applu	2100	964	218	430	488
177.mesa	1400	300	466	299	469
178.galgel	2900	320	906	320	906
179.art	2600	267	973	226	1152
183.equake	1300	620	210	590	220
187.facerec	1900	296	643	288	659
188.ammp	2200	538	409	496	444
189.lucas	2000	971	206	741	270
191.fma3d	2100	708	297	709	296
200.sixtrack	1100	390	282	390	282
301.apsi	2600	792	328	754	345



Hardware

CPU:	UltraSPARC-III
CPU MHz:	900
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

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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: 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.equake: -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.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: -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
```