CFP2000 Result

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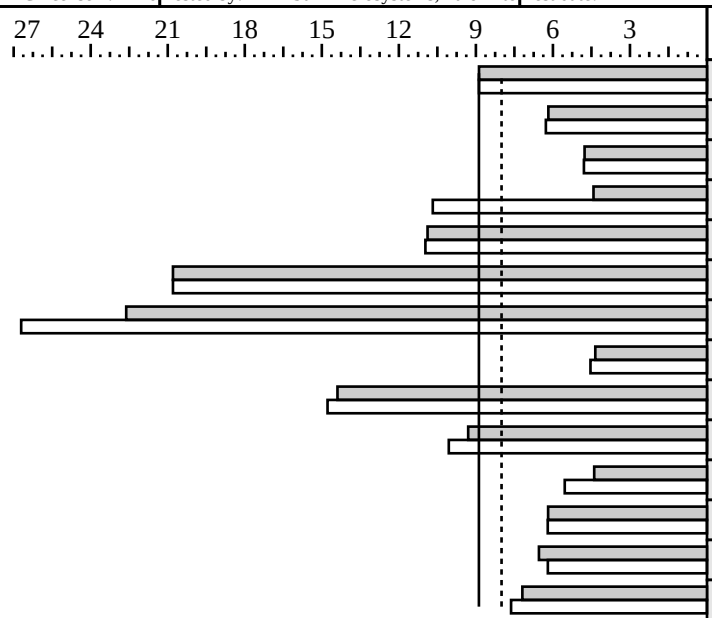
Sun Microsystems
Sun Blade 1000 Model 2900

SPECfp_rate2000 = 8.88

SPECfp_rate_base2000 = 8.00

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	418	8.88	2	418	8.88
171.swim	2	1164	6.18	2	1146	6.27
172.mgrid	2	876	4.77	2	871	4.79
173.applu	2	1102	4.42	2	456	10.7
177.mesa	2	298	10.9	2	296	11.0
178.galgel	2	324	20.8	2	324	20.8
179.art	2	267	22.6	2	226	26.7
183.equake	2	693	4.35	2	665	4.54
187.facerec	2	306	14.4	2	298	14.8
188.ammp	2	549	9.30	2	508	10.1
189.lucas	2	1056	4.39	4	1675	5.54
191.fma3d	2	787	6.19	4	1571	6.20
200.sixtrack	2	390	6.54	4	824	6.20
301.apsi	2	839	7.19	4	1581	7.63

Hardware

CPU:	UltraSPARC-III
CPU MHz:	900
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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)

```
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
```