CFP2000 Result

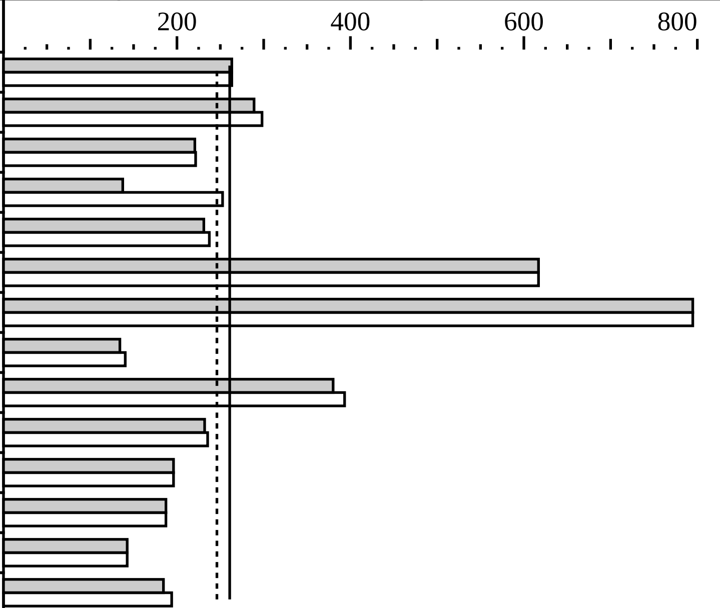
Sun Microsystems
Sun Enterprise 3500/4500

SPECfp2000 = 261

SPECfp_base2000 = 246

SPEC license #: 6	Tested by: Sun Microsystems, Palo Alto	Test date: Sep-2000	Hardware Avail: Dec-1998	Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	608	263	608	263
171.swim	3100	1073	289	1040	298
172.mgrid	1800	816	221	813	222
173.applu	2100	1527	138	831	253
177.mesa	1400	606	231	590	237
178.galgel	2900	470	617	470	617
179.art	2600	327	795	327	795
183.equake	1300	969	134	926	140
187.facerec	1900	500	380	483	393
188.ammp	2200	949	232	935	235
189.lucas	2000	1020	196	1020	196
191.fma3d	2100	1121	187	1121	187
200.sixtrack	1100	771	143	771	143
301.apsi	2600	1410	184	1341	194



Hardware

CPU:	UltraSPARC-II
CPU MHz:	400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-8/1-14
Parallel:	None
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	8MB(I+D) off chip
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	6 x 9GB
Other Hardware:	--

Software

Operating System:	Solaris 8
Compiler:	Forte Developer 6 update 1
File System:	UFS
System State:	multiuser

Notes/Tuning Information

```
Portability: 178.galgel: -e -fixed

Base:
    C: -fast -xcrossfile -xprofile -xalias_level=std
    F90: -fast -xcrossfile -xprofile

Peak:
    168.wupwise:  basepeak
    171.swim:     -fast -Qoption f90comp -expansion -xsafe=mem -xprefetch -inline=%auto -xvector -xpad=common:15
                  -Qoption iropt -O5+ansi_alias+scalarrep+algassoc+bcopy+bmerge -xprofile
    172.mgrid:    -fast -xregs=syst
    173.applu:    -fast -Qoption iropt -Adata_access,-Mt6000,-Mm12000,-Mr40000,-Ma400,-whole -xregs=syst
    177.mesa:     -fast -xcrossfile -xalias_level=strong -xprofile
    178.galgel:   basepeak
    179.art:      basepeak
    183.equake:   -fast -xalias_level=strong -xdepend -xprofile -lmopt -lm
```

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Notes/Tuning Information (Continued)

```
    187.facerec:  -fast -xcrossfile -stackvar -xprofile
    188.ammp:     -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -xprofile
    189.lucas:    basepeak
    191.fma3d:    basepeak
    200.sixtrack: basepeak
    301.apsi:     -fast -qoption f90comp -expansion -xprofile
ONESTEP=yes for both base and peak
```