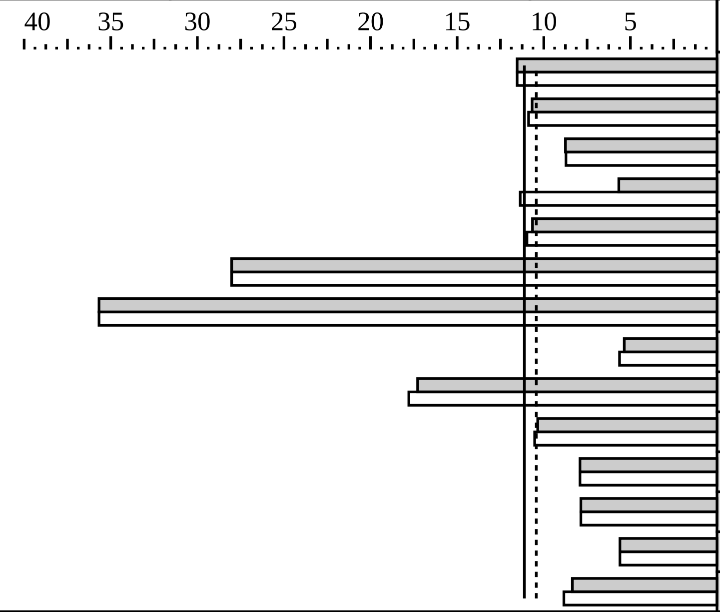
CFP2000 Result

Sun Microsystems
Sun Enterprise 3500/4500

SPECfp_rate2000 = 11.1
SPECfp_rate_base2000 = 10.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	643	11.5	4	643	11.5
171.swim	4	1347	10.7	4	1322	10.9
172.mgrid	4	955	8.75	4	958	8.72
173.applu	4	1719	5.67	4	858	11.4
177.mesa	4	610	10.7	4	592	11.0
178.galgel	4	480	28.0	4	480	28.0
179.art	4	338	35.7	4	338	35.7
183.equake	4	1127	5.35	4	1072	5.63
187.facerec	4	510	17.3	4	496	17.8
188.ammp	4	986	10.4	4	970	10.5
189.lucas	4	1173	7.91	4	1173	7.91
191.fma3d	4	1240	7.86	4	1240	7.86
200.sixtrack	4	911	5.60	4	911	5.60
301.apsi	4	1445	8.35	4	1365	8.84

Hardware

CPU:	UltraSPARC-II
CPU MHz:	400
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 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
```