



CFP2000 Result

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Sun Microsystems Sun Enterprise 3500/4500

SPECfp_rate2000 = 5.81
SPECfp_rate_base2000 = 5.48

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	626	5.93	2	626	5.93
171.swim	2	1179	6.10	2	1200	6.00
172.mgrid	2	887	4.71	2	894	4.67
173.applu	2	1619	3.01	2	841	5.79
177.mesa	2	607	5.35	2	589	5.52
178.galgel	2	474	14.2	2	474	14.2
179.art	2	333	18.1	2	333	18.1
183.quake	2	1021	2.95	2	968	3.12
187.facerec	2	504	8.74	2	489	9.02
188.amp	2	959	5.32	2	945	5.40
189.lucas	2	1097	4.23	2	1097	4.23
191.fma3d	2	1185	4.11	2	1187	4.10
200.sixtrack	2	819	3.12	2	819	3.12
301.apsi	2	1430	4.22	2	1351	4.47

Hardware

CPU: UltraSPARC-II
CPU MHz: 400
FPU: Integrated
CPU(s) enabled: 2 cores, 2 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.quake: -fast -xalias_level=strong -xdepend -xprofile -lmopt -lm
187.facerec: -fast -xcrossfile -stackvar -xprofile
188.amp: -fast -xcrossfile -xalias_level=strong -xdepend -xregs=syst -xprofile
189.lucas: basepeak



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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak
200.sixtrack: basepeak
301.apsi:     -fast -qoption f90comp -expansion -xprofile
ONESTEP=yes for both base and peak
```