SPEC CFP95rate Results

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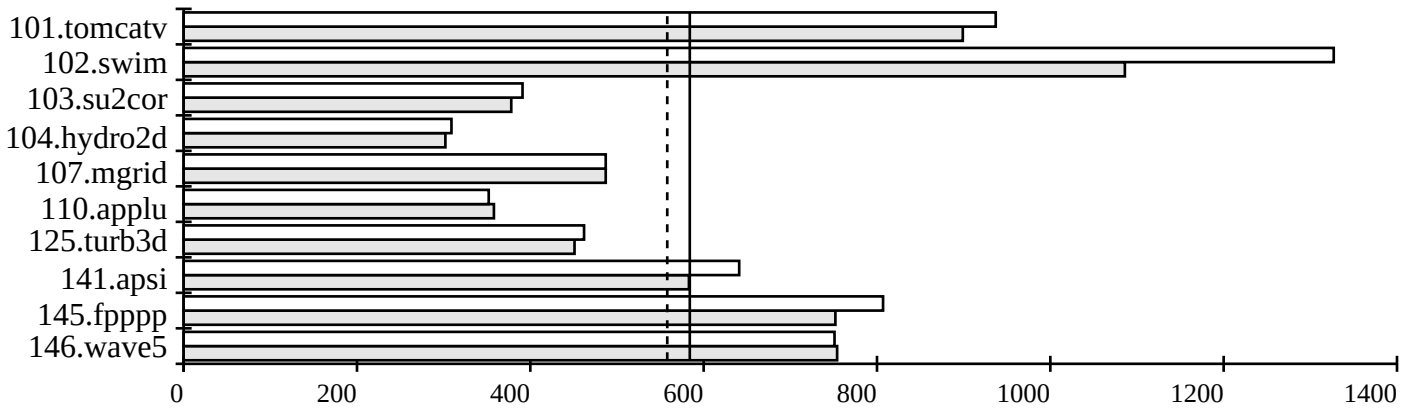
Sun Microsystems
Ultra Enterprise 4001/6

SPECfp_rate95 = 584

SPECfp_rate_base95 = 558

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Nov-96	Hardware Avail: Jan-97	Software Avail: Nov-96



Hardware/Software Configuration for:
Ultra Enterprise 4001/6

Hardware

Model Name:	Ultra Enterprise 4001
CPU:	250MHz UltraSPARC II
FPU:	integrated
Number of CPU(s):	6
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	3GB
Disk Subsystem:	2 x 2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 4.2 alpha
File System:	UFS
System State:	Multiuser

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	6	222	899	6	213	937
102.swim	6	428	1086	6	350	1327
103.su2cor	6	200	378	6	193	391
104.hydro2d	6	429	302	6	419	309
107.mgrid	6	277	487	6	277	487
110.applu	6	331	358	6	337	352
125.turb3d	6	491	451	6	479	462
141.apsi	6	194	583	6	177	641
145.fpppp	6	689	752	6	642	807
146.wave5	6	215	754	6	216	751
SPECfp_rate_base95 (G. Mean)			558			
SPECfp_rate95 (G. Mean)						584

Notes/Tuning Information

```
Baseline: -fast -xO5 -xdepend -xarch=v8plusa
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO4 -xdepend ${FULTRA} -xpad=local -xpad=common
102.swim: -fast -xO4 -xdepend ${FULTRA} -xpad=local -xpad=common -dn
103.su2cor: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plusa -Qoption iropt -O4+vector -Qoption cg -Qms_pipe+nfll=5 -lmvec -dn
104.hydro2d: -fast -xO5 -xdepend -xarch=v8plusa -xsafe=mem -Qoption iropt -O4+pde ${FULTRA} -xprofile=use
107.mgrid: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plus
110.applu: -fast -xO5 -xdepend ${FULTRA} -dn -xprofile=use
125.turb3d: -fast -xO5 -xdepend -xsafe=mem -xpad=local -xpad=common ${FULTRA} -xprofile=use
141.apsi: -fast -xO4 -xdepend -xarch=v8plus -fsimple=2 -dn
145.fpppp: -fast -xO5 -xdepend -xsafe=mem ${FULTRA} -dn -xprofile=use
146.wave5: -fast -xO4 -xdepend -xarch=v8plus -xprofile=use
Config Version @(#)grover1003.cfg 1.59 96/07/23
```

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