SPEC CFP95rate Results

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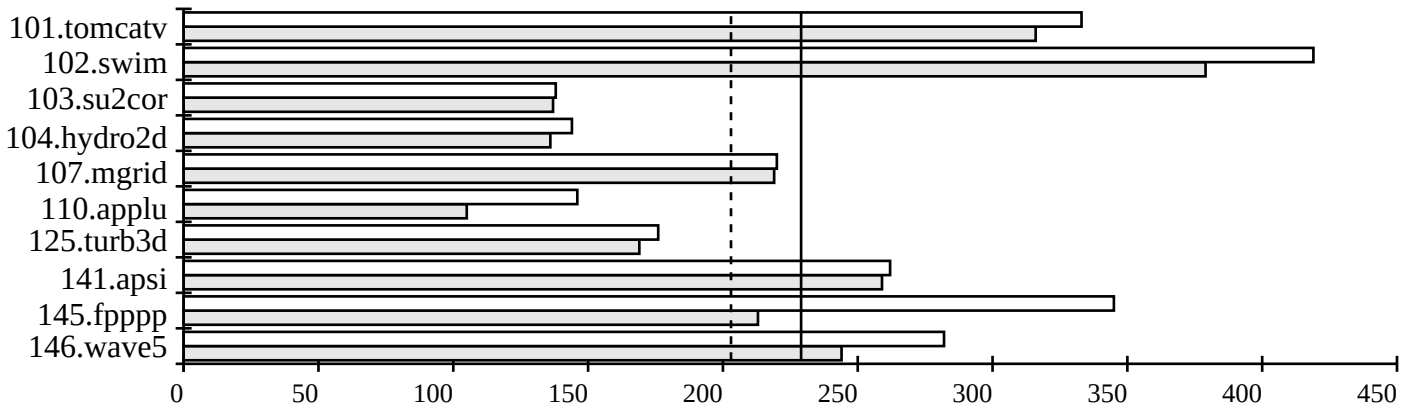
Sun Microsystems
Sun Enterprise 3500

SPECfp_rate95 = 229

SPECfp_rate_base95 = 203

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Sep-98	Hardware Avail: Dec-98	Software Avail: Oct-98



Hardware/Software Configuration for:
Sun Enterprise 3500

Hardware

Model Name:	Sun Enterprise 3500
CPU:	400MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4096KB(I+D) off chip
Other Cache:	None
Memory:	1024MB
Disk Subsystem:	2 x 9GB
Other Hardware:	FastEthernet

Software

Operating System:	Solaris 2.7
Compiler:	Sun F77 5.0
File System:	UFS
System State:	Multi-User
Kernel Extensions:	

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	105	316	1	100	333
102.swim	1	204	379	1	185	419
103.su2cor	1	92.1	137	1	91	138
104.hydro2d	1	158	136	1	150	144
107.mgrid	1	103	219	1	102	220
110.applu	1	188	105	1	136	146
125.turb3d	1	219	169	1	210	176
141.apsi	1	73.1	259	1	72	262
145.fpppp	1	406	213	1	251	345
146.wave5	1	111	244	1	96	282
SPECfp_rate_base95 (G. Mean)			203			
			SPECfp_rate95 (G. Mean)			229

Notes/Tuning Information

```
BCOPY =  -Qoption iropt -O4+bcopy
INV =    -Qoption iropt -O4+invccexp
FULTRA = -xarch=v8plusa -xchip=ultra
Baseline: -fast -xarch=v8plusa -fsimple=2 -xprefetch
101.tomcatv: -fast ${FULTRA} -xpad=local:23 -xprefetch
102.swim: -fast ${FULTRA} -xpad=common:15 -xprefetch -fsimple=2
103.su2cor: -fast ${FULTRA} -xvector -Qoption cg -Qms_pipe+nfll=5
103 cont: -fsimple=2 -xprefetch ${BCOPY} -lmvec
104.hydro2d: -fast ${FULTRA} -xprefetch -Qoption iropt -O4+pde -fsimple=2 -xprofile=use
107.mgrid: -fast ${FULTRA} -xprefetch -fsimple=2 ${BCOPY}
110.applu: -fast ${FULTRA} -fsimple=2
110.cont: -Qoption iropt -O4+ddint+scalarrep+perfect+loop_dist+pde+algassoc,-Mt6000,-Mr20000,-Ma140,-ldstr
125.turb3d: -fast ${FULTRA} -stackvar -xpad -fsimple=2 -Qoption iropt -O4+bcopy ${INV} -xvector=yes
141.apsi: -fast ${FULTRA} -fsimple=2 -stackvar -Qoption iropt
141 cont: -Si36 ${INV} -Qoption iropt -O4+algassoc
145.fpppp: -fast ${FULTRA} -xO5 -xsafe=mem -fsimple=2
145 cont: -Qoption iropt -O4+algassoc -Qoption iropt -reroll=1 -xprofile=use
146.wave5: -fast ${FULTRA}  -stackvar -fsimple=2 -Qoption iropt -O4+unroll ${BCOPY}
Config Version @(#)uds.cfg 1.0 98/09/03
```

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-- Prepared By: --