SPEC CFP95 Results

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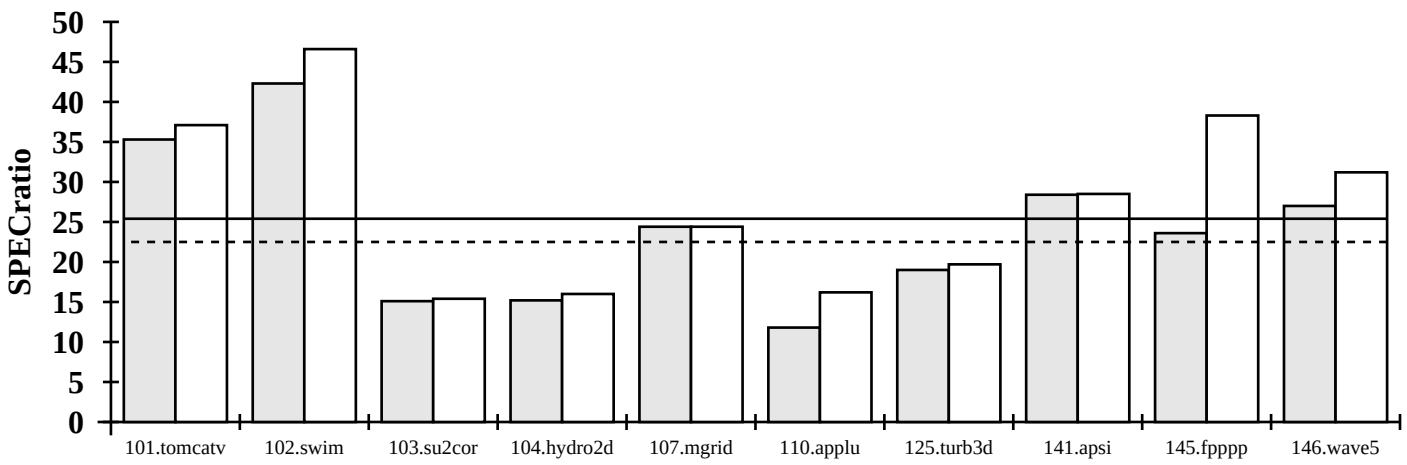
Sun Microsystems
Sun Enterprise 3500

SPECfp95 = 25.4

SPECfp_base95 = 22.5

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	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	105	35.3	100	37.1
102.swim	8600	203	42.3	184	46.6
103.su2cor	1400	92.4	15.1	91	15.4
104.hydro2d	2400	158	15.2	150	16.0
107.mgrid	2500	102	24.4	102	24.4
110.applu	2200	187	11.8	136	16.2
125.turb3d	4100	216	19.0	208	19.7
141.apsi	2100	73.9	28.4	74	28.5
145.fpppp	9600	406	23.6	251	38.3
146.wave5	3000	111	27.0	96	31.2
SPECfp_base95 (G. Mean)			22.5		
		SPECfp95 (G. Mean)			25.4

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
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

-- Prepared By: --