SPEC CFP95 Results

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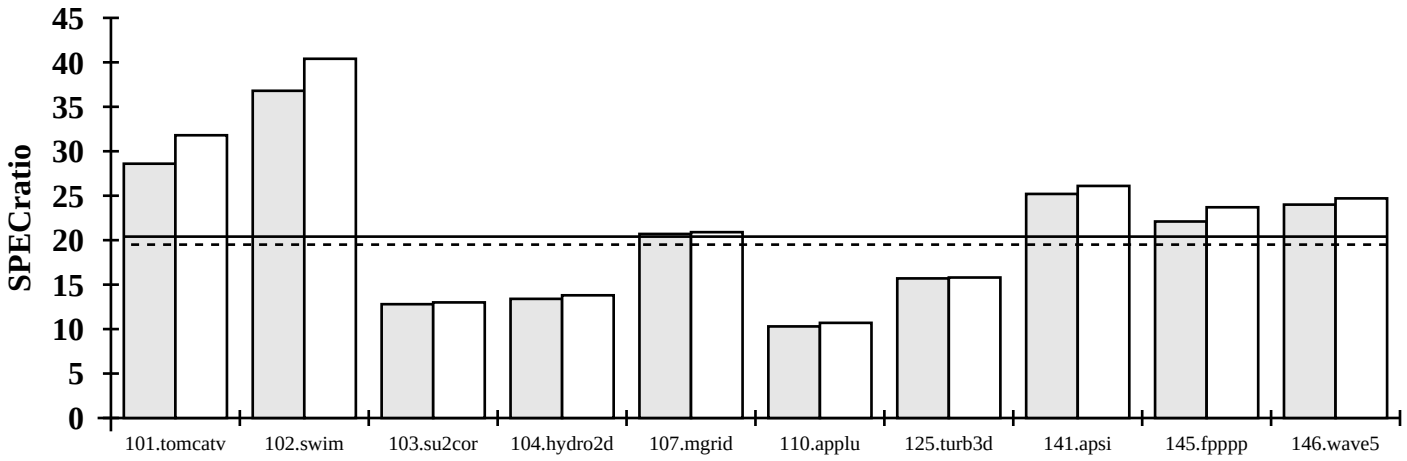
Sun Microsystems Inc.
Sun Enterprise 3000

SPECfp95 = 20.4

SPECfp_base95 = 19.5

SPEC license # 6	Tested By: Sun, Menlo Park	Test Date: Feb-98	Hardware Avail: Mar-98	Software Avail: Aug-98



Hardware/Software Configuration for:
Sun Enterprise 3000

Hardware

Model Name:	Sun Enterprise 3000/1
CPU:	336MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	4GB
Disk Subsystem:	4 x 2.1GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.6
Compiler:	Sun f77 5.0
File System:	UFS
System State:	Multiuser

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	129	28.6	116	31.8
102.swim	8600	234	36.8	213	40.4
103.su2cor	1400	109	12.8	107	13.0
104.hydro2d	2400	179	13.4	174	13.8
107.mgrid	2500	121	20.7	120	20.9
110.applu	2200	213	10.3	206	10.7
125.turb3d	4100	261	15.7	260	15.8
141.apsi	2100	83.3	25.2	80	26.1
145.fpppp	9600	434	22.1	406	23.7
146.wave5	3000	125	24.0	121	24.7
SPECfp_base95 (G. Mean)			19.5		
		SPECfp95 (G. Mean)			20.4

Notes/Tuning Information

```
STD =   -fast -xarch=v8plusa
INV =   -Qoption iropt -O4+invccexp
BCOPY = -Qoption iropt -O4+bcopy

Baseline:    ${STD} -fsimple=2 -xprefetch

101.tomcatv: ${STD} -xpad=local:23 -xprefetch
102.swim:    ${STD} -xpad=common:15 -xprefetch -fsimple=2
103.su2cor:  ${STD} -xvector -Qoption cg -Qms_pipe+nfll=5 -fsimple=2  ${BCOPY} -lmvec
104.hydro2d: ${STD} -xprefetch -Qoption iropt -O4+pde -fsimple=2 -xprofile=use
107.mgrid:   ${STD} -xprefetch -fsimple=2 ${BCOPY}
110.applu:   ${STD} -Qoption iropt -O4+ddint+scalarrep,-ldstr -fsimple=2
125.turb3d:  ${STD} -stackvar -xpad -fsimple=2 ${INV}
141.apsi:    ${STD} -fsimple=2 -stackvar  -Qoption iropt -Si36 ${INV} -Qoption iropt -O4+algassoc
145.fpppp:   ${STD} -xO5 -xsafe=mem -fsimple=2 -Qoption iropt -O4+algassoc -xprofile=use
146.wave5:   ${STD}  -stackvar -fsimple=2 -Qoption iropt -O4+unroll ${BCOPY}
```

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