SPEC CFP95 Results

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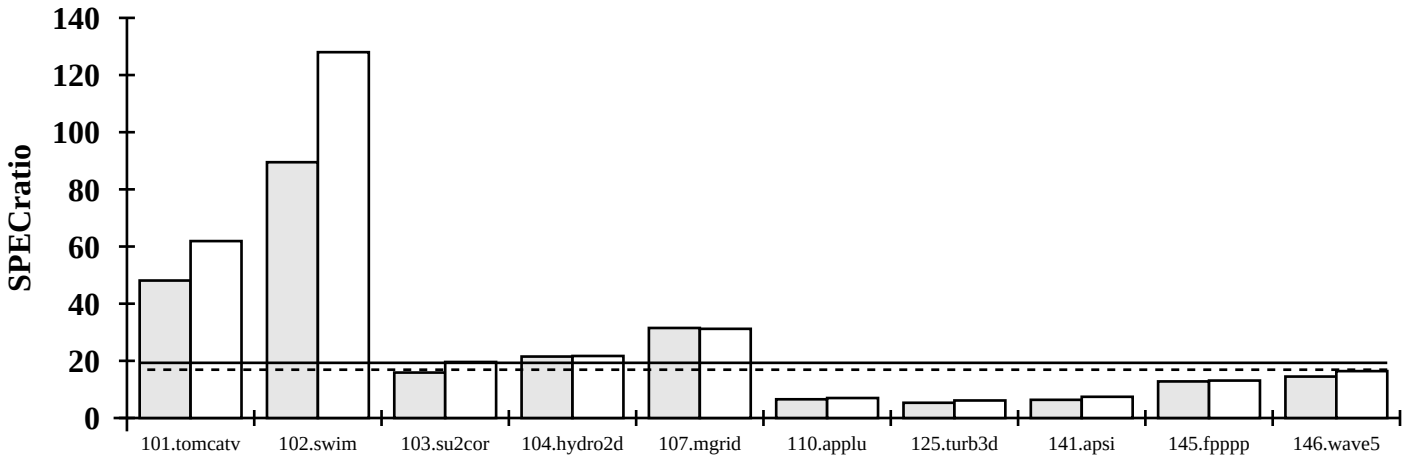
Sun Microsystems Enterprise 6000/6

SPECfp95 = 19.3

SPECfp_base95 = 16.9

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Mar-96	Hardware Avail: May-96	Software Avail: May-96



Hardware/Software Configuration for:
Enterprise 6000/6

Hardware

Model Name:	Enterprise 6000
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	6
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	512KB(I+D) off chip
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2 x 2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1 beta
Compiler:	Sun C 4.2 alpha Sun f77 4.2 alpha
File System:	UFS
System State:	Single User
Kernel Extensions:	

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	76.9	48.1	60	61.9
102.swim	8600	96.1	89.5	67	128
103.su2cor	1400	88.1	15.9	71	19.6
104.hydro2d	2400	112	21.5	111	21.7
107.mgrid	2500	79.4	31.5	80	31.2
110.applu	2200	336	6.55	315	6.99
125.turb3d	4100	769	5.33	669	6.13
141.apsi	2100	330	6.36	283	7.42
145.fpppp	9600	749	12.8	733	13.1
146.wave5	3000	207	14.5	182	16.4
SPECfp_base95 (G. Mean)			16.9		
		SPECfp95 (G. Mean)			19.3

Notes/Tuning Information

```
Baseline: -fast -xO4 -xparallel -xarch=v8plus
Peak: FULTRA= -xarch=v8plus -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO4 ${FULTRA} -xparallel -xreduction
102.swim: -fast -xO4 ${FULTRA} -xparallel -xpad=local -xpad=common
103.su2cor: -fast -xO4 -xarch=v8plus -xparallel -xreduction
104.hydro2d: -fast -xO4 ${FULTRA} -xparallel
107.mgrid: -fast -xO4 -xarch=v8plus -xparallel
110.applu: -fast -xO4 -xarch=v8plus -xparallel -xprofile=use
125.turb3d: -fast -xO5 -xarch=v8plus -xdepend -xarch=v8plus -xsafe=mem -xpad=local -xpad=common
-Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
141.apsi: -fast -xO4 ${FULTRA} -xdepend -dn -xprofile=use
145.fpppp: -fast -xO4 ${FULTRA} -xparallel -xprofile=use
146.wave5: -fast -xO4 -xarch=v8plus -xparallel -xprofile=use
config version @(#)ultramp.cfg 1.12 96/03/14
```

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