SPEC CFP95 Results

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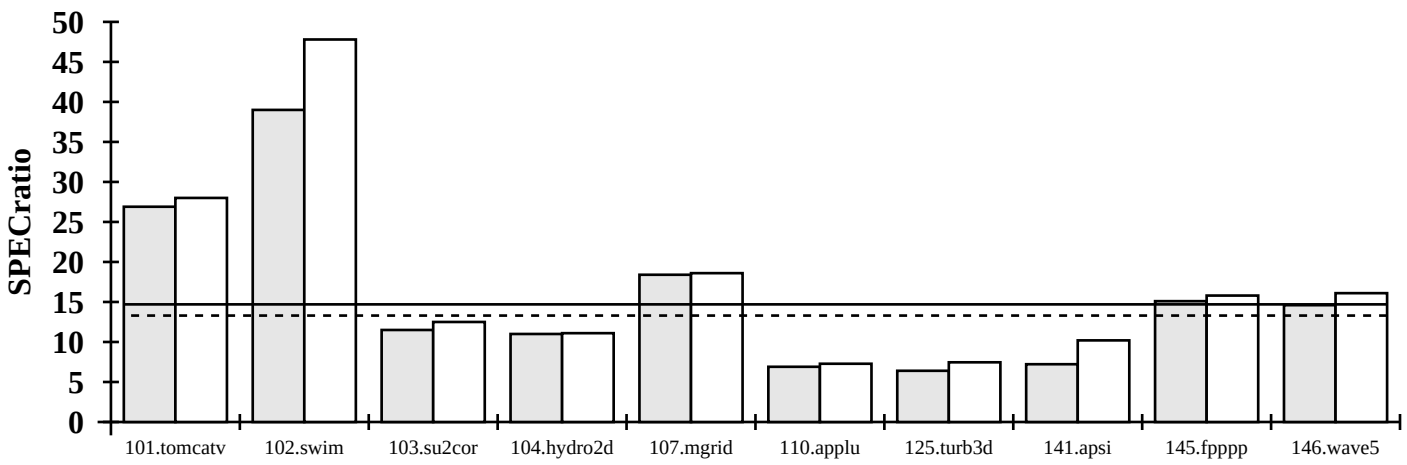
Sun Microsystems
Ultra 2 Series 2200

SPECfp95 = 14.7

SPECfp_base95 = 13.3

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



Hardware/Software Configuration for:
Ultra 2 Series 2200

Hardware

Model Name:	Ultra 2 Series 2200
CPU:	200MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1MB(I+D) off chip
Other Cache:	None
Memory:	256MB
Disk Subsystem:	2 x 1.05GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
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	138	26.9	132	28.0
102.swim	8600	220	39.0	180	47.8
103.su2cor	1400	121	11.5	112	12.5
104.hydro2d	2400	218	11.0	217	11.1
107.mgrid	2500	136	18.4	134	18.6
110.applu	2200	319	6.90	302	7.28
125.turb3d	4100	641	6.40	550	7.46
141.apsi	2100	291	7.22	205	10.2
145.fpppp	9600	637	15.1	608	15.8
146.wave5	3000	206	14.6	187	16.1
SPECfp_base95 (G. Mean)			13.3		
		SPECfp95 (G. Mean)			14.7

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
```

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