SPEC CFP95 Results

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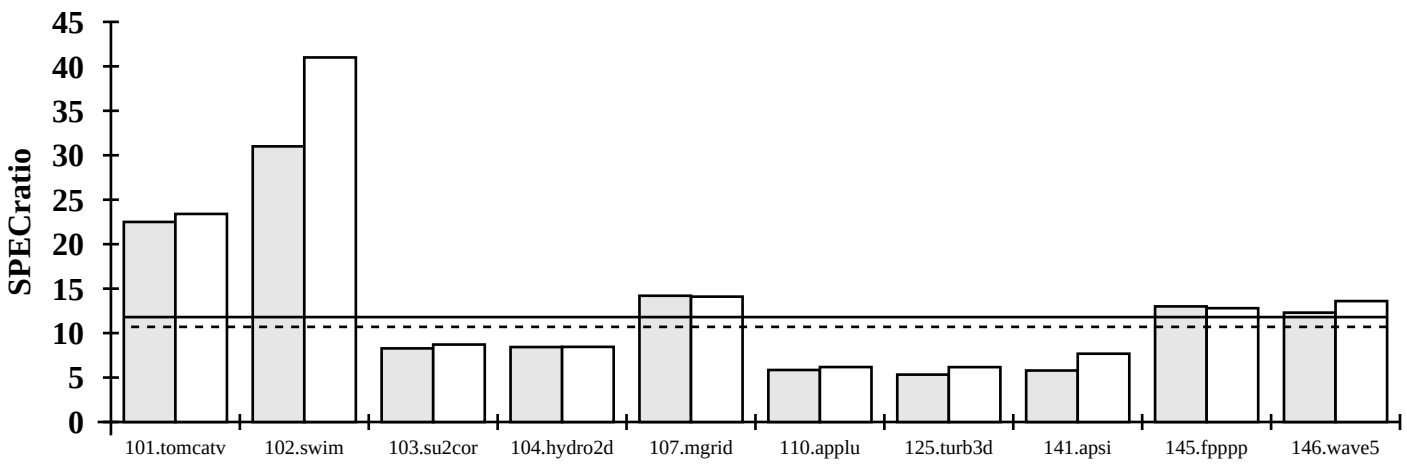
Sun Microsystems
Ultra 2 Series 2170

SPECfp95 = 11.8

SPECfp_base95 = 10.7

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 2170

Hardware

Model Name:	Ultra 2 Series 2170
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	512KB(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	165	22.5	158	23.4
102.swim	8600	277	31.0	210	41.0
103.su2cor	1400	169	8.28	161	8.71
104.hydro2d	2400	285	8.43	284	8.45
107.mgrid	2500	176	14.2	177	14.1
110.applu	2200	376	5.85	356	6.18
125.turb3d	4100	769	5.33	664	6.17
141.apsi	2100	363	5.79	273	7.68
145.fpppp	9600	737	13.0	748	12.8
146.wave5	3000	244	12.3	221	13.6
SPECfp_base95 (G. Mean)			10.7		
		SPECfp95 (G. Mean)			11.8

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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