SPEC CFP95 Results

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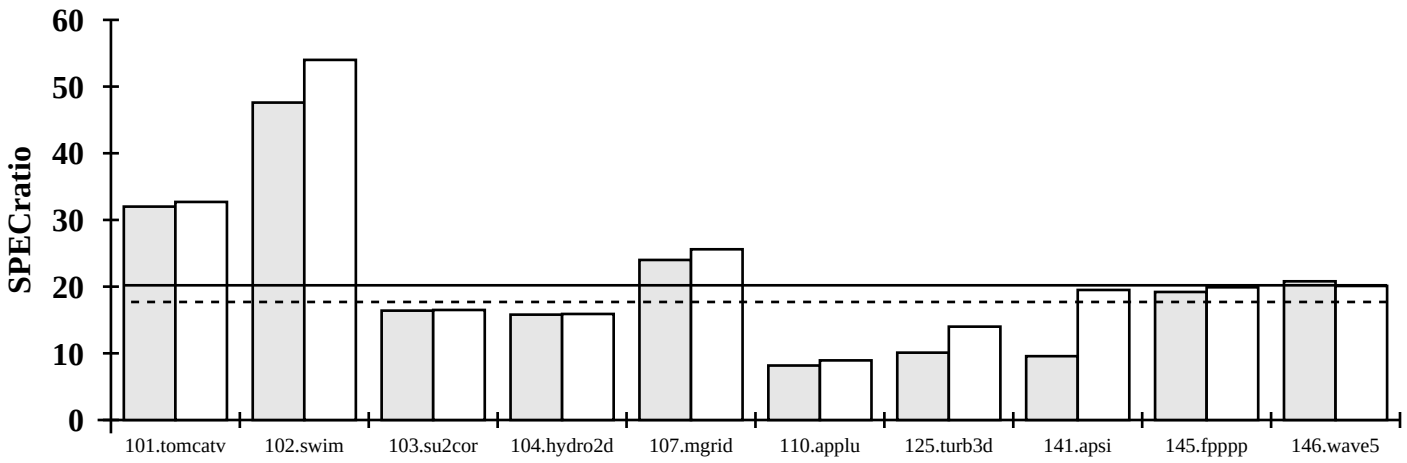
Sun Microsystems
Ultra 2 Creator (3D) Model 2300

SPECfp95 = 20.2

SPECfp_base95 = 17.7

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Apr-97	Hardware Avail: Apr-97	Software Avail: Oct-97



Hardware/Software Configuration for:
Ultra 2 Creator (3D) Model 2300

Hardware

Model Name:	Ultra 2 Creator (3D) Model 2300
CPU:	300MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2MB(I+D) off chip
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x 2.1GB 1 x 2.1GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 5.0 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	116	32.0	113	32.7
102.swim	8600	181	47.6	159	54.0
103.su2cor	1400	85.4	16.4	85	16.5
104.hydro2d	2400	152	15.8	151	15.9
107.mgrid	2500	104	24.0	98	25.6
110.applu	2200	269	8.17	246	8.94
125.turb3d	4100	406	10.1	293	14.0
141.apsi	2100	219	9.57	108	19.5
145.fpppp	9600	499	19.2	483	19.9
146.wave5	3000	144	20.8	150	20.1
SPECfp_base95 (G. Mean)			17.7		
			SPECfp95 (G. Mean)		20.2

Notes/Tuning Information

```
Baseline: -fast -xarch=v8plusa -xparallel -xreduction
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg
101.tomcatv: -fast -xO4 ${FULTRA} -xpad=local -xpad=common -xparallel
102.swim: -fast -xO4 ${FULTRA} -xpad=local -xpad=common -xparallel
103.su2cor: -fast -xarch=v8plusa -xparallel -xreduction
104.hydro2d: -fast -xO5 -xarch=v8plusa -xsafe=mem -Qoption iropt -O4+pde
104 cont: -xprofile=use
107.mgrid: -fast -xO4 -xtarget=ultra -xarch=v8plusa -xparallel
110.applu: -fast -xO5 -xarch=v8plus -xparallel -Qoption cg
125.turb3d: -fast -xO5 -xsafe=mem -xpad=local -xpad=common -Qoption iropt
125 cont: -xprofile=use -lmvec
141.apsi: -fast -xO4 -xarch=v8plus -fsimple=2
145.fpppp: -fast -xO5 -xsafe=mem ${FULTRA} -xprofile=use
146.wave5: -fast -xO4 -xarch=v8plus -xparallel
Environment Variables: # PARALLEL=2;export PARALLEL
Config Version @(#)ultra2x300_mp.cfg 1.0 97/04/02
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