SPEC CFP95 Results

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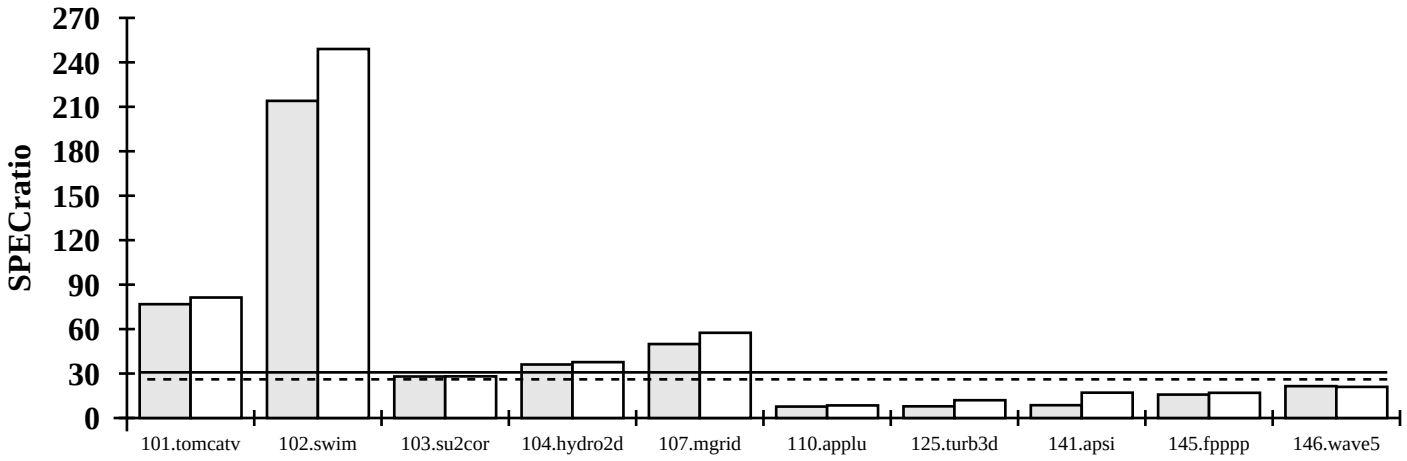
Sun Microsystems
Enterprise Server Model 3002/6

SPECfp95 = 30.8

SPECfp_base95 = 26.1

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



Hardware/Software Configuration for:
Enterprise Server Model 3002/6

Hardware

Model Name:	Enterprise Server Model 3002/6
CPU:	250MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	6
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4096(I+D) off chip
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2 x 2.1GB
Other Hardware:	FastEthernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 5.0 alpha
File System:	UFS
System State:	MultiUser

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	48.2	76.8	46	81.3
102.swim	8600	40.3	214	35	249
103.su2cor	1400	50.0	28.0	50	28.1
104.hydro2d	2400	66.4	36.1	64	37.7
107.mgrid	2500	50.1	49.9	43	57.5
110.applu	2200	285	7.71	259	8.50
125.turb3d	4100	521	7.88	342	12.0
141.apsi	2100	243	8.64	123	17.1
145.fpppp	9600	608	15.8	565	17.0
146.wave5	3000	139	21.5	143	21.0
SPECfp_base95 (G. Mean)			26.1		
		SPECfp95 (G. Mean)			30.8

Notes/Tuning Information

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Baseline: -fast -xarch=v8plusa -xparallel -xreduction
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO4 ${FULTRA} -xpad=local -xpad=common -Qoption cg -Qms_pipe+pref2 -xparallel -xreduction
102.swim: -fast -xO4 ${FULTRA} -xpad=local -xpad=common -Qoption cg -Qms_pipe+pref2 -xparallel
103.su2cor: -fast -xarch=v8plusa -xparallel -xreduction
104.hydro2d: -fast -xO5 -xarch=v8plusa -xsafe=mem -Qoption iropt -O4+pde ${FULTRA} -Qoption cg -Qms_pipe+pref2 -xparallel -xprofile=use
107.mgrid: -fast -xO4 -xtarget=ultra -xarch=v8plusa -Qoption cg -Qms_pipe+pref2,-Qms_pipe-unrrest -xparallel
110.applu: -fast -xO5 -xarch=v8plus -xparallel -Qoption cg -Qms_pipe+mkuf=5 -xprofile=use
125.turb3d: -fast -xO5 -xsafe=mem -xpad=local -xpad=common -Qoption iropt -O4+vector ${FULTRA} -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
Config Version @(#)ultram.cfg 1.1 97/01/24
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