SPEC CFP95rate Results

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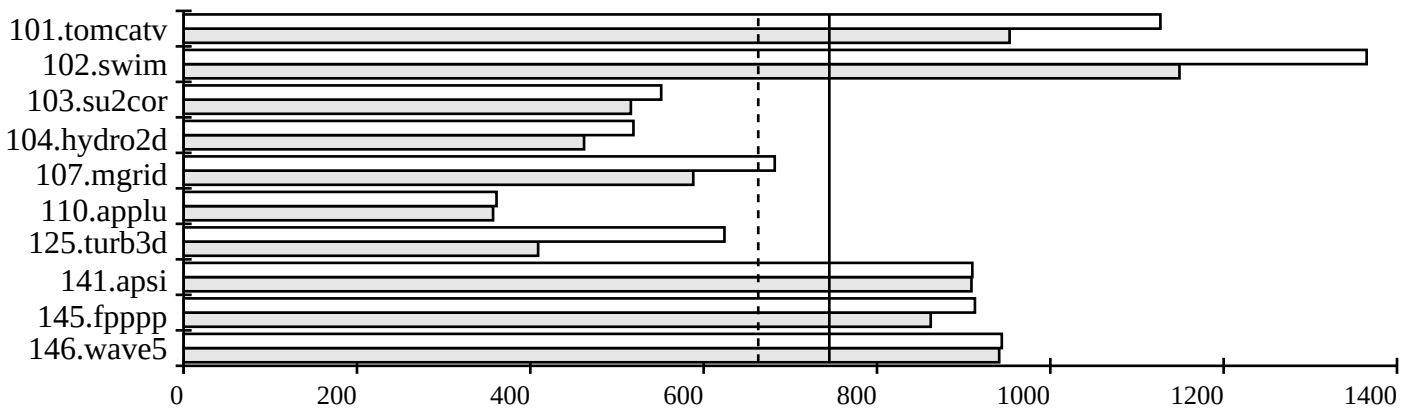
Sun Microsystems
Enterprise Server Model 3002/6

SPECfp_rate95 = 745

SPECfp_rate_base95 = 663

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:	4096KB(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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	6	210	953	6	177	1127
102.swim	6	404	1149	6	340	1365
103.su2cor	6	147	516	6	137	551
104.hydro2d	6	281	462	6	250	519
107.mgrid	6	230	588	6	198	682
110.applu	6	333	357	6	329	361
125.turb3d	6	542	409	6	355	624
141.apsi	6	125	909	6	125	910
145.fpppp	6	601	862	6	568	913
146.wave5	6	172	941	6	172	944
SPECfp_rate_base95 (G. Mean)			663			
			SPECfp_rate95 (G. Mean)			745

Notes/Tuning Information

```
Baseline: -fast -xO5  -xarch=v8plusa
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
102.swim: -fast -xO4  ${FULTRA} -xpad=local -xpad=common -Qoption cg -Qms_pipe+pref2 -dn
103.su2cor: -fast -xO4  -xtarget=ultra -xarch=v8plusa -Qoption iropt -O4+vector -Qoption cg -Qms_pipe+nfll=5 -xprofile=use -lmvec
104.hydro2d: -fast -xO5  -xarch=v8plusa -xsafe=mem -xinline= -Qoption iropt -O4+pde
${FULTRA} -Qoption cg -Qms_pipe+pref2 -xprofile=use -fsimple=2
107.mgrid: -fast -xO4  -xtarget=ultra -xarch=v8plusa -Qoption cg -Qms_pipe+pref2,-Qms_pipe-unrrest
110.applu: -fast -xO5  -xarch=v8plus -Qoption cg -Qms_pipe+mkuf=5 -dn -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 -dn
145.fpppp: -fast -xO5  -xsafe=mem ${FULTRA} -dn -xprofile=use
146.wave5: -fast -xO4  -xarch=v8plus -xprofile=use
Config Version @(#)ultras.cfg 1.2 97/01/30
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