SPEC CFP95rate Results

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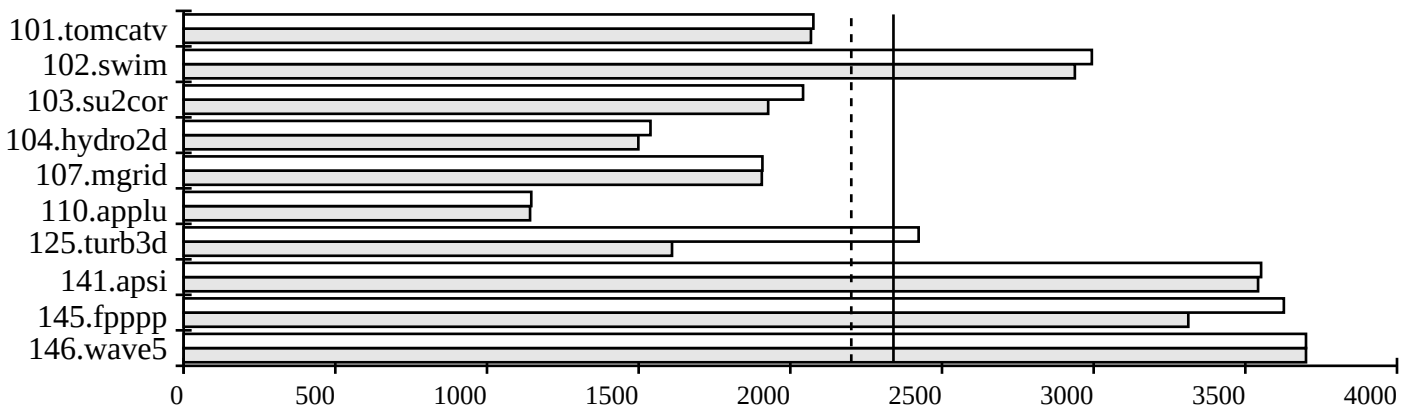
Sun Microsystems
Enterprise Server Model 6002/24

SPECfp_rate95 = 2340

SPECfp_rate_base95 = 2201

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



SPECrate

Hardware/Software Configuration for:
Enterprise Server Model 6002/24

Hardware

Model Name:	Enterprise Server Model 6002/24
CPU:	250MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	24
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4096KB(I+D) off chip
Other Cache:	None
Memory:	6GB
Disk Subsystem:	4 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	24	386	2068	24	385	2076
102.swim	24	632	2938	24	621	2994
103.su2cor	24	157	1927	24	148	2042
104.hydro2d	24	346	1499	24	337	1539
107.mgrid	24	283	1906	24	283	1908
110.applu	24	416	1142	24	415	1146
125.turb3d	24	550	1610	24	365	2423
141.apsi	24	128	3542	24	128	3552
145.fpppp	24	626	3312	24	572	3627
146.wave5	24	175	3700	24	175	3700
SPECfp_rate_base95 (G. Mean)			2201			
			SPECfp_rate95 (G. Mean)			2340

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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