SPEC CFP95rate Results

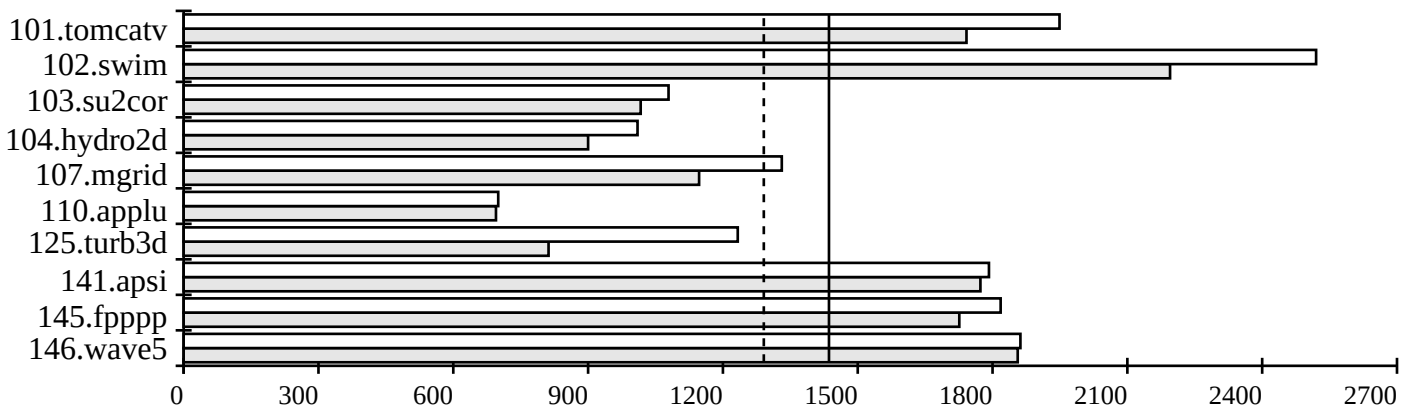
©Copyright 1995, Standard Performance Evaluation Corporation

Sun Microsystems
Enterprise Server Model 4002/12

SPECfp_rate95 = 1436

SPECfp_rate_base95 = 1291

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 4002/12

Hardware

Model Name:	Enterprise Server Model 4002/12
CPU:	250MHz UltraSPARC II
FPU:	Integrated
Number of CPU(s):	12
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4096KB(I+D) off chip
Other Cache:	None
Memory:	4GB
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	12	229	1742	12	205	1949
102.swim	12	423	2195	12	369	2520
103.su2cor	12	149	1017	12	140	1079
104.hydro2d	12	288	900	12	257	1010
107.mgrid	12	235	1147	12	203	1331
110.applu	12	342	695	12	339	700
125.turb3d	12	545	812	12	359	1233
141.apsi	12	128	1773	12	127	1792
145.fpppp	12	601	1726	12	570	1818
146.wave5	12	175	1856	12	174	1862
SPECfp_rate_base95 (G. Mean)			1291			
			SPECfp_rate95 (G. Mean)			1436

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
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

--

Prepared By: chakng