SPEC CFP95rate Results

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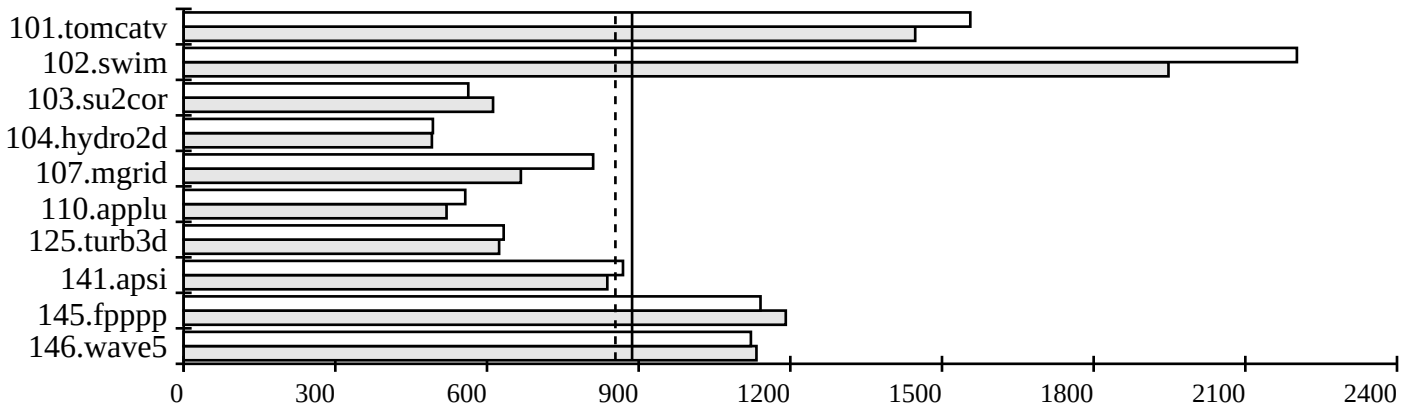
Sun Microsystems
Ultra Enterprise Model 4000/12

SPECfp_rate95 = 887

SPECfp_rate_base95 = 854

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Jul-96	Hardware Avail: Aug-96	Software Avail: May-96



Hardware/Software Configuration for:
Ultra Enterprise Model 4000/12

Hardware

Model Name:	Ultra Enterprise Model 4000/12
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	12
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	3072MB
Disk Subsystem:	2 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 4.2 alpha
File System:	UFS
System State:	Single User
Kernel Extensions:	

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	12	276	1447	12	257	1556
102.swim	12	477	1948	12	422	2202
103.su2cor	12	247	612	12	268	563
104.hydro2d	12	528	491	12	526	493
107.mgrid	12	405	667	12	333	810
110.applu	12	457	520	12	426	557
125.turb3d	12	710	624	12	699	633
141.apsi	12	271	838	12	261	869
145.fpppp	12	870	1191	12	909	1141
146.wave5	12	286	1133	12	289	1122
SPECfp_rate_base95 (G. Mean)			854			
			SPECfp_rate95 (G. Mean)			887

Notes/Tuning Information

```
Baseline: -fast -xdepend -xarch=v8plus -dn
Peak: FULTRA= -xarch=v8plusa -xchip=ultra -Qoption cg -Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
101.tomcatv: -fast -xO5 -xdepend ${FULTRA} -xpad -xcache=16/32/4:1024/64/1 -xprofile=use -dn -lfast
102.swim: -fast -xO4 -xdepend ${FULTRA} -xpad -dn
103.su2cor: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plus -Qoption cg
-Qms_pipe+nfll=5 -xcache=16/32/4:1024/64/1 -xpad -xprofile=use
104.hydro2d: -fast -xO5 -xdepend ${FULTRA} -xprofile=use -dn -lfast
107.mgrid: -fast -xO4 -xdepend -xtarget=ultra -xarch=v8plus -dn
110.applu: -fast -xO5 -xdepend ${FULTRA} -dn -xprofile=use
125.turb3d: -fast -xO5 -xdepend -xarch=v8plus -xsafe=mem -xpad -Qoption cg
-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
141.apsi: -fast -xO4 -xdepend ${FULTRA} -dn
145.fpppp: -fast -xO5 -xdepend -xsafe=mem ${FULTRA} -dn -xpad -xcache=16/32/4:1024/64/1 -xprofile=use
146.wave5: -fast -xO4 -xdepend -xarch=v8plus -xprofile=use -lfast
Config Version @(#)alabama.cfg 1.0 96/06/13
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org

-- Prepared By: chakng