SPEC CFP95rate Results

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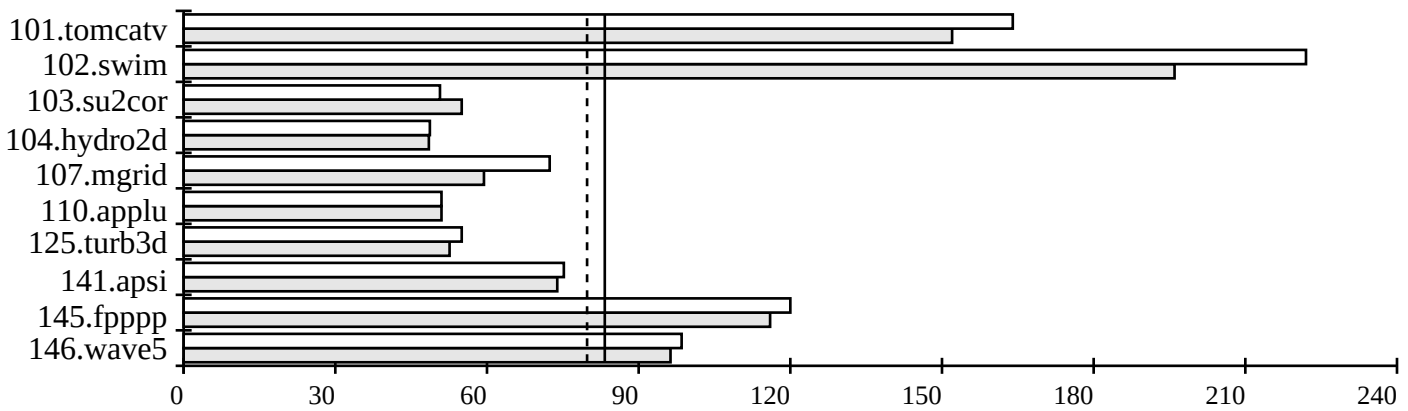
Sun Microsystems
Ultra Enterprise Model 3000/1

SPECfp_rate95 = 83.3

SPECfp_rate_base95 = 79.8

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 3000/1

Hardware

Model Name:	Ultra Enterprise Model 3000/1
CPU:	167MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	1536MB
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	1	220	152	1	203	164
102.swim	1	395	196	1	349	222
103.su2cor	1	229	55.0	1	249	50.7
104.hydro2d	1	445	48.5	1	444	48.7
107.mgrid	1	379	59.4	1	311	72.4
110.applu	1	388	51.0	1	388	51.0
125.turb3d	1	702	52.6	1	671	55.0
141.apsi	1	256	73.9	1	251	75.2
145.fpppp	1	743	116	1	722	120
146.wave5	1	280	96.3	1	274	98.5
SPECfp_rate_base95 (G. Mean)			79.8			
SPECfp_rate95 (G. Mean)						83.3

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
```

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