SPEC CFP95rate Results

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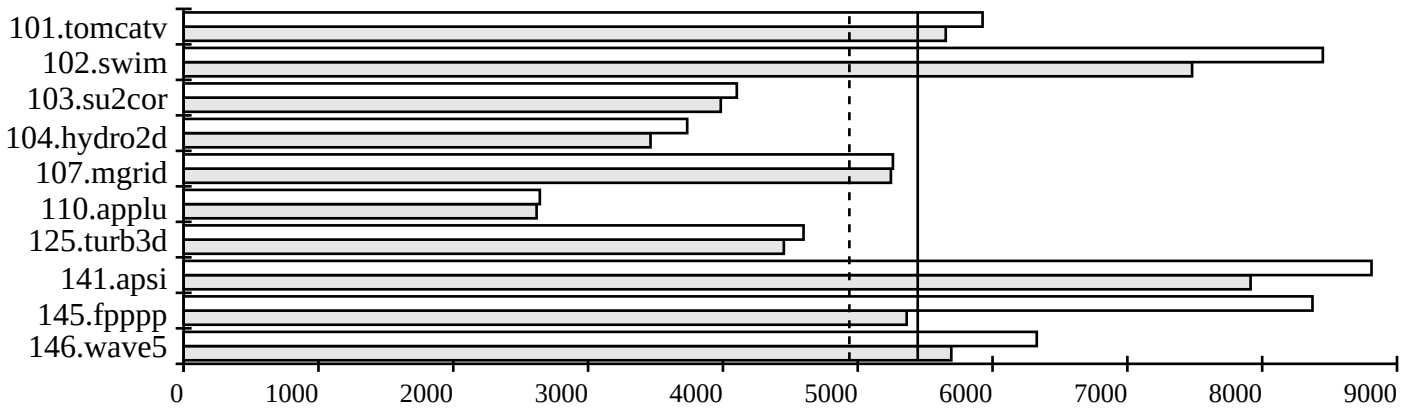
Sun Microsystems
Ultra Enterprise 10000

SPECfp_rate95 = 5445

SPECfp_rate_base95 = 4938

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



SPECrate

Hardware/Software Configuration for:
Ultra Enterprise 10000

Hardware

Model Name:	Ultra Enterprise 10000
CPU:	250MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	56
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	16 GB
Disk Subsystem:	1 RSM Tray (2 x 9GB)
Other Hardware:	Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun f77 5.0 alpha
File System:	UFS
System State:	Multiple User
Kernel Extensions:	None

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	56	330	5653	56	315	5926
102.swim	56	579	7480	56	513	8450
103.su2cor	56	177	3984	56	172	4103
104.hydro2d	56	349	3463	56	324	3735
107.mgrid	56	240	5246	56	240	5261
110.applu	56	423	2618	56	420	2642
125.turb3d	56	464	4452	56	449	4598
141.apsi	56	134	7914	56	120	8811
145.fpppp	56	902	5363	56	578	8373
146.wave5	56	266	5694	56	239	6328
SPECfp_rate_base95 (G. Mean)			4938			
			SPECfp_rate95 (G. Mean)			5445

Notes/Tuning Information

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Baseline:    -fast -xarch=v8plusa -fsimple=2 -xprefetch

Peak:
101.tomcatv: -fast -xarch=v8plusa -xpad=local:23 -xprefetch
102.swim:    -fast -xarch=v8plusa -xpad=common:15 -xprefetch -fsimple=2
103.su2cor:  -fast -xarch=v8plusa -xvector -Qoption cg -Qms_pipe+nfll=5
103 cont:    -fsimple=2  -Qoption iropt -O4+bcopy -lmvec
104.hydro2d: -fast -xarch=v8plusa -xprefetch -Qoption iropt -O4+pde -fsimple=2 -xprofile=use
107.mgrid:   -fast -xarch=v8plusa -xprefetch -fsimple=2 -Qoption iropt -O4+bcopy
110.applu:   -fast -xarch=v8plusa -Qoption iropt
110 cont:    -O4+ddint+scalarrep,-ldstr -fsimple=2
125.turb3d:  -fast -xarch=v8plusa -stackvar -xpad -fsimple=2 -Qoption iropt -O4+invccexp
141.apsi:    -fast -xarch=v8plusa -fsimple=2 -stackvar  -Qoption iropt
141 cont:    -Si36 -Qoption iropt -O4+bmerge -Qoption iropt -O4+algassoc
145.fpppp:   -fast -xarch=v8plusa -xO5 -xsafe=mem -fsimple=2
145 cont:    -Qoption iropt -O4+algassoc -xprofile=use
146.wave5:   -fast -xarch=v8plusa  -stackvar -fsimple=2 -Qoption iropt
146 cont:    -O4+unroll -Qoption iropt -O4+bcopy
```

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-- Prepared By: --