SPEC CFP95rate Results

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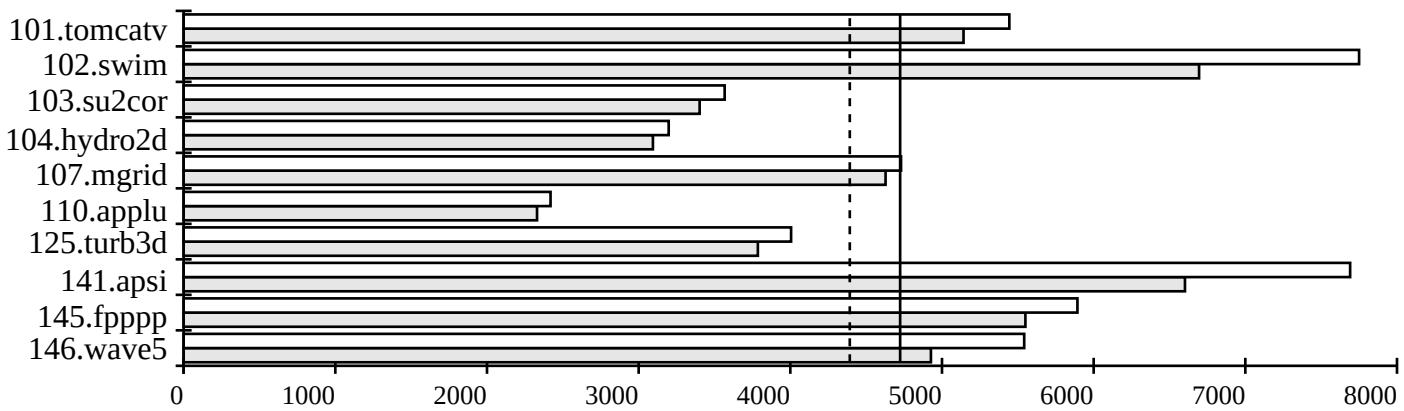
Sun Microsystems
Ultra Enterprise 10000

SPECfp_rate95 = 4724

SPECfp_rate_base95 = 4392

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):	48
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	48	311	5142	48	294	5444
102.swim	48	555	6695	48	479	7750
103.su2cor	48	178	3402	48	170	3567
104.hydro2d	48	335	3094	48	324	3198
107.mgrid	48	233	4628	48	228	4730
110.applu	48	408	2330	48	393	2419
125.turb3d	48	468	3786	48	442	4005
141.apsi	48	137	6602	48	118	7691
145.fpppp	48	747	5550	48	704	5893
146.wave5	48	263	4927	48	234	5542
SPECfp_rate_base95 (G. Mean)			4392			
			SPECfp_rate95 (G. Mean)			4724

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: --