SPEC CINT95rate Results

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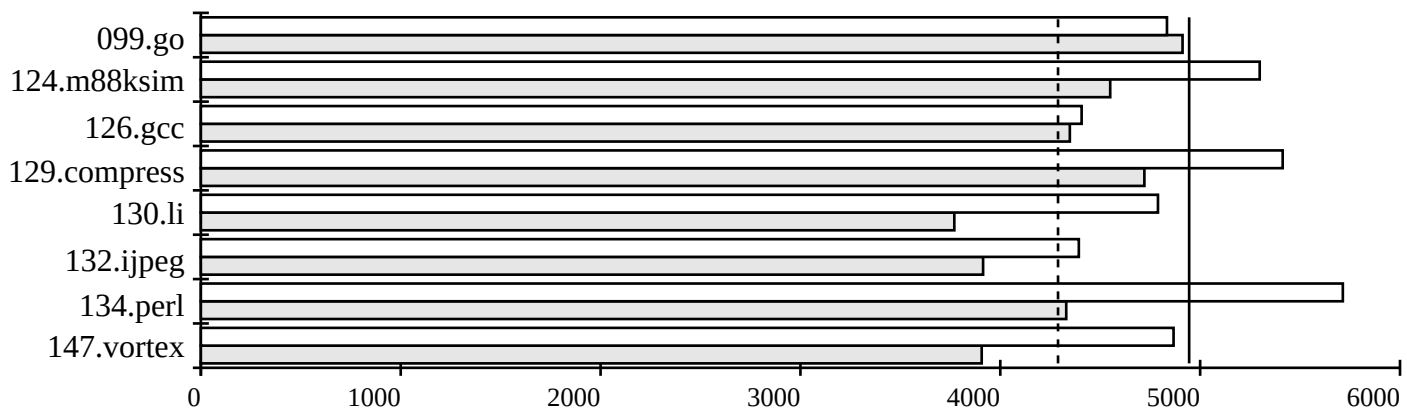
Sun Microsystems
Ultra Enterprise 10000

SPECint_rate95 = 4945

SPECint_rate_base95 = 4289

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



Hardware/Software Configuration for:
Ultra Enterprise 10000

Hardware

Model Name:	Ultra Enterprise 10000
CPU:	250MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	64
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	16 GB
Disk Subsystem:	3 RSM trays (7 x 9GB per tray)
Other Hardware:	Ethernet, Solstice DiskSuite striping 12 disks across 3 RSM trays

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun C 5.0 alpha
Other Software:	Solstice DiskSuite 4.0
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
099.go	64	539	4912	64	548	4834
124.m88ksim	64	241	4550	64	207	5298
126.gcc	64	225	4348	64	222	4407
129.compress	64	220	4721	64	192	5413
130.li	64	290	3770	64	229	4789
132.ijpeg	64	353	3914	64	315	4393
134.perl	64	253	4330	64	192	5714
147.vortex	64	398	3907	64	320	4867
SPECint_rate_base95 (G. Mean)			4289			
			SPECint_rate95 (G. Mean)			4945

Notes/Tuning Information

```
Baseline: -fast -xO5 -xarch=v8plusa -xprofile=use
Peak: CULTRA= -xarch=v8plusa -xchip=ultra
099.go: -fast -xO5 -xsafe=mem -xrestrict -xarch=v8plus -W2,-O4+ansi_alias+bopt -xprofile=use
124.m88ksim: -fast -xO4 -xarch=v8plus -xrestrict -W2,-O4+cond_elim,-ldstr
124 cont: -Wc,-Qiselect-sw_pf_tbl_th=20 -xprofile=use
126.gcc: -fast -xO4  -fsimple=2 -W2,-O4+ansi_alias+bopt+cond_elim ${CULTRA} -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias -xarch=v8plus -xprofile=use
130.li: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
130.li: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
130 PASS2 cont: -W2,-O4+ansi_alias,-Mt350 -xprofile=use
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus -W2,-O4+ansi_alias -xprofile=use
134.perl: -fast -xO4 ${CULTRA} -xcrossfile -W2,-Mp1,-ANSI_S,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30 -xprofile=use -lfast
147.vortex: PASS1=-fast -xO4 -xarch=v8plus -xcrossfile -xprofile=collect
147: PASS2=-fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xprofile=use
147 PASS2 cont: -W2,-O4+cond_elim,-Mt350 -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
others: -Xc
```

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-- Prepared By: --