SPEC CINT95rate Results

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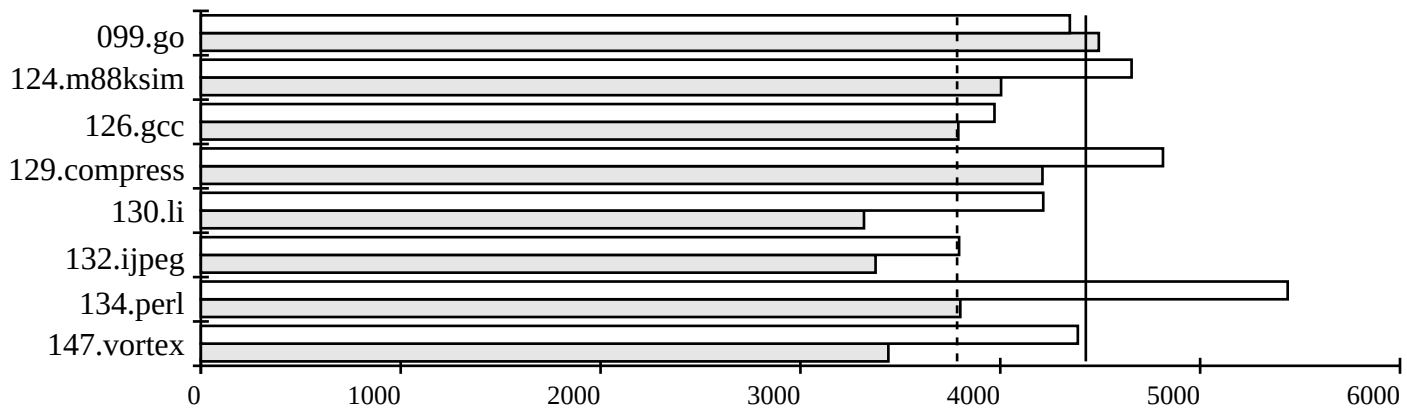
Sun Microsystems
Ultra Enterprise 10000

SPECint_rate95 = 4428

SPECint_rate_base95 = 3784

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):	56
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 and nfs mounted

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	56	516	4493	56	533	4348
124.m88ksim	56	239	4004	56	206	4657
126.gcc	56	226	3790	56	216	3971
129.compress	56	215	4211	56	188	4814
130.li	56	289	3318	56	227	4215
132.ijpeg	56	358	3376	56	319	3794
134.perl	56	252	3800	56	176	5438
147.vortex	56	396	3440	56	310	4388
SPECint_rate_base95 (G. Mean)			3784			
			SPECint_rate95 (G. Mean)			4428

Notes/Tuning Information

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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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