SPEC CINT95 Results

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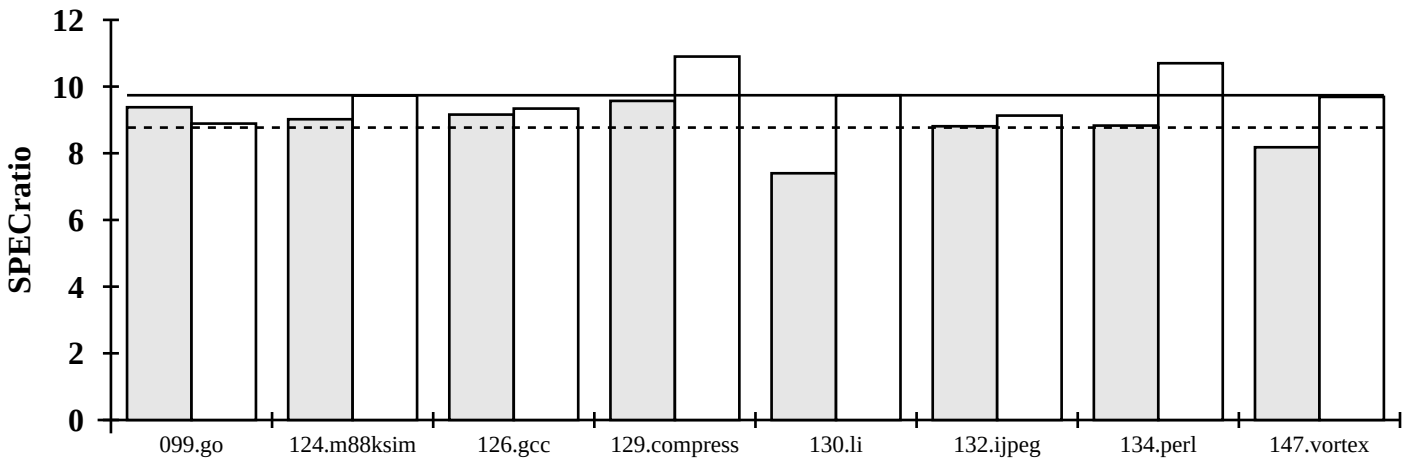
Sun Microsystems
Ultra Enterprise 4001/1

SPECint95 = 9.74

SPECint_base95 = 8.77

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Nov-96	Hardware Avail: Jan-97	Software Avail: Feb-97



Hardware/Software Configuration for:
Ultra Enterprise 4001/1

Hardware

Model Name:	Ultra Enterprise 4001
CPU:	250MHz UltraSPARC II
FPU:	integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	3GB
Disk Subsystem:	2 x 2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun C SC4.2 Workshop
File System:	UFS
System State:	Multiuser

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	491	9.38	517	8.89
124.m88ksim	1900	211	9.02	195	9.73
126.gcc	1700	186	9.16	182	9.34
129.compress	1800	188	9.57	165	10.9
130.li	1900	257	7.40	195	9.74
132.ijpeg	2400	272	8.81	263	9.13
134.perl	1900	215	8.83	178	10.7
147.vortex	2700	330	8.18	279	9.69
SPECint_base95 (G. Mean)			8.77		
		SPECint95 (G. Mean)			9.74

Notes/Tuning Information

```
Baseline: -fast -xO5 -xarch=v8plusa -xprofile=use
Peak: CULTRA= -xarch=v8plusa -xchip=ultra -dn
099.go: -fast -xO5 -xsafe=mem -xarch=v8plus -W2,-O4+ansi_alias+bopt -xprofile=use
124.m88ksim: -fast -xO4 -xarch=v8plus -xrestrict -W2,-O4+cond_elim
124 cont: -Wc,-Qiselect-sw_pf_tbl_th=20,-Qpeep-Ex:use_int64=1 -xprofile=use
126.gcc: -fast -xO4 -xdepend -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,-whole -Wc,-QrmT1 -xprofile=use
132.ijpeg: -fast -xO5 -xsafe=mem -xdepend -xarch=v8plus -W2,-O4+ansi_alias -Wc,-Qsched-HLnxyhwbli -xprofile=use
134.perl: -fast -xO4 ${CULTRA} -W2,-Mp1,-ANSI_S,-O4+cond_elim -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 -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
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)grover1003.cfg 1.59 96/07/23
chakchung.ng@Eng.Sun.COM (Chakchung Ng)
Fri Dec 20 12:07:43 1996
cpu95-961220-01560.sub
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