SPEC CINT95 Results

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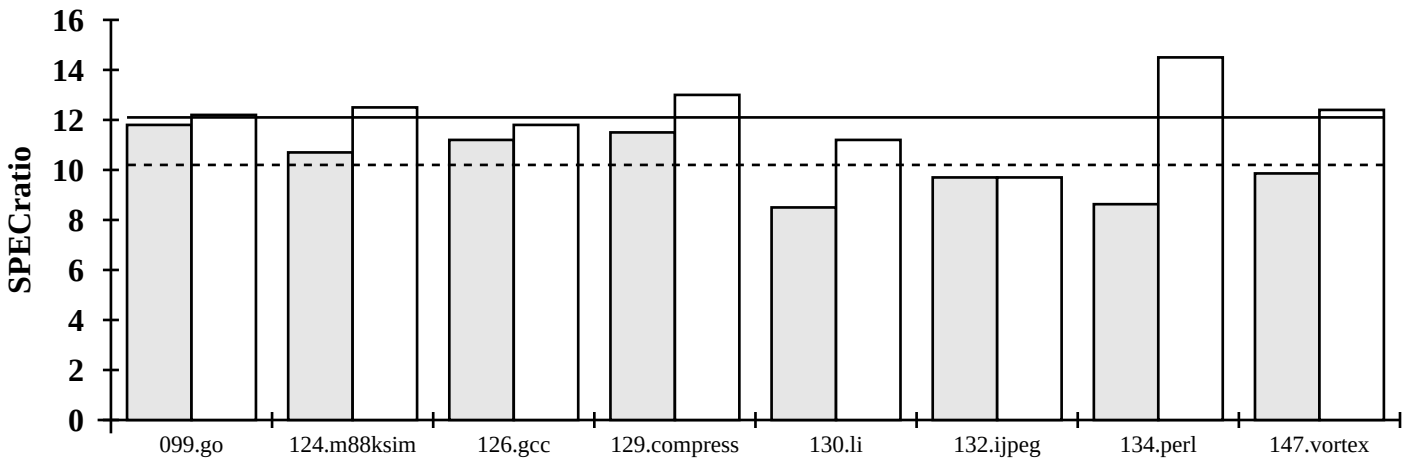
Sun Microsystems
Sun Ultra 2 Model 30

SPECint95 = 12.1

SPECint_base95 = 10.2

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



Hardware/Software Configuration for:
Sun Ultra 2 Model 30

Hardware

Model Name:	Sun Ultra 2 Model 30
CPU:	296MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2048KB(I+D) off chip
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x 4GB 1 x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Solaris 2.5.1 (SHWP HW 0497)
Compiler:	Sun C SC5.0 EFT(10-97)
File System:	UFS
System State:	Single-User
Kernel Extensions:	

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	391	11.8	377	12.2
124.m88ksim	1900	178	10.7	152	12.5
126.gcc	1700	151	11.2	144	11.8
129.compress	1800	156	11.5	139	13.0
130.li	1900	223	8.50	170	11.2
132.ijpeg	2400	248	9.70	247	9.70
134.perl	1900	220	8.63	131	14.5
147.vortex	2700	274	9.86	218	12.4
SPECint_base95 (G. Mean)			10.2		
		SPECint95 (G. Mean)			12.1

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
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
Config Version @(#)ultra30.cfg 1.2 97/01/30
Alexander Carlton <aca@pro.specbench.org>
Mon Jul 21 20:38:54 1997
cpu95-970721-01999.sub
```

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-- Prepared By: --