SPEC CINT95 Results

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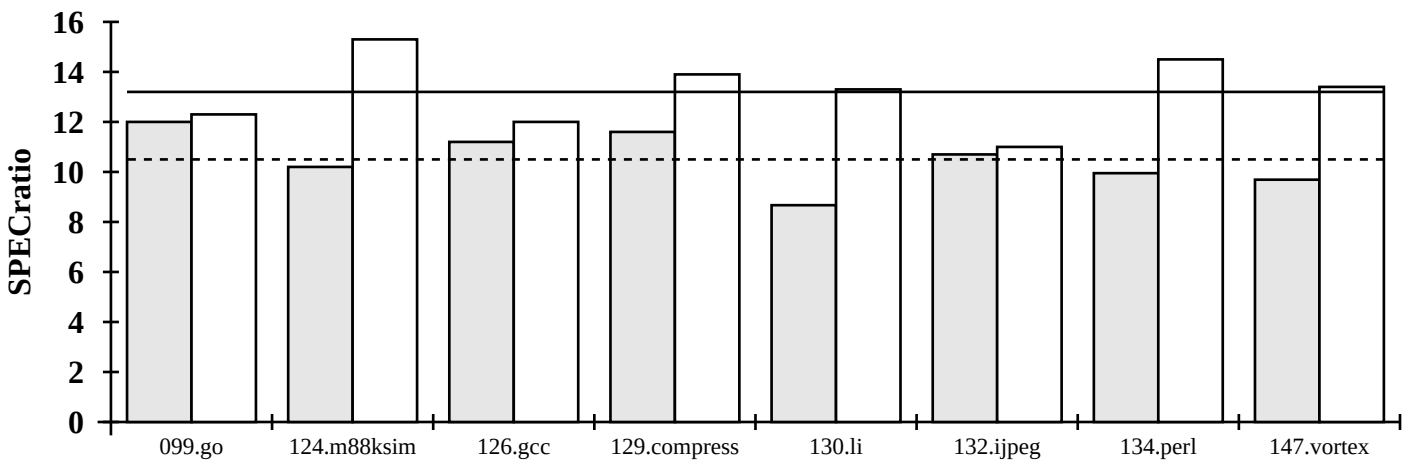
Sun Microsystems
Ultra 60 296MHz

SPECint95 = 13.2

SPECint_base95 = 10.5

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Jan-98	Hardware Avail: Mar-98	Software Avail: May-98



Hardware/Software Configuration for:
Ultra 60 296MHz

Hardware

Model Name:	Ultra 60 296MHz
CPU:	296MHz UltraSPARC-II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2.0MB(I+D) off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	2 x 4GB
Other Hardware:	Fast Ethernet
	System clock frequency: 99 MHz

Software

Operating System:	Solaris 2.5.1 HW 1197
Compiler:	Sun C SC5.0 EFT (4/98)
File System:	UFS
System State:	Single User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	382	12.0	373	12.3
124.m88ksim	1900	186	10.2	124	15.3
126.gcc	1700	151	11.2	141	12.0
129.compress	1800	156	11.6	129	13.9
130.li	1900	219	8.67	142	13.3
132.ijpeg	2400	224	10.7	218	11.0
134.perl	1900	191	9.95	131	14.5
147.vortex	2700	279	9.69	202	13.4
SPECint_base95 (G. Mean)			10.5		
		SPECint95 (G. Mean)			13.2

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 -dn
124.m88ksim: -fast -xO4 -xarch=v8plus -xcrossfile -xrestrict
124 cont: -W2,-O4+cond_elim+pde,-ldstr,-Mt8500 -xprofile=use -dn
126.gcc: -fast -xO4 -xsafe=mem  -fsimple=2 -W2,-O4+ansi_alias+cond_elim -xprofile=use
129.compress: -fast -xO5 -xsafe=mem -W2,-O4+ansi_alias+pde -xarch=v8plus -xprofile=use -dn
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+cond_elim+pde,-Mt350,-whole,-crit -xprofile=use -dn
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 -dn
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,-Mt500,-Mr6000 -dn
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc: -Dalloca=__builtin_alloca -Xc
others: -Xc
Bodo Parady - SMCC Performance Development <Bodo.Parady@Eng.Sun.COM>
Tue Jan 27 16:54:33 1998
cpu95-980127-02362.sub
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For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

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Prepared By: bkp