SPEC CINT95 Results

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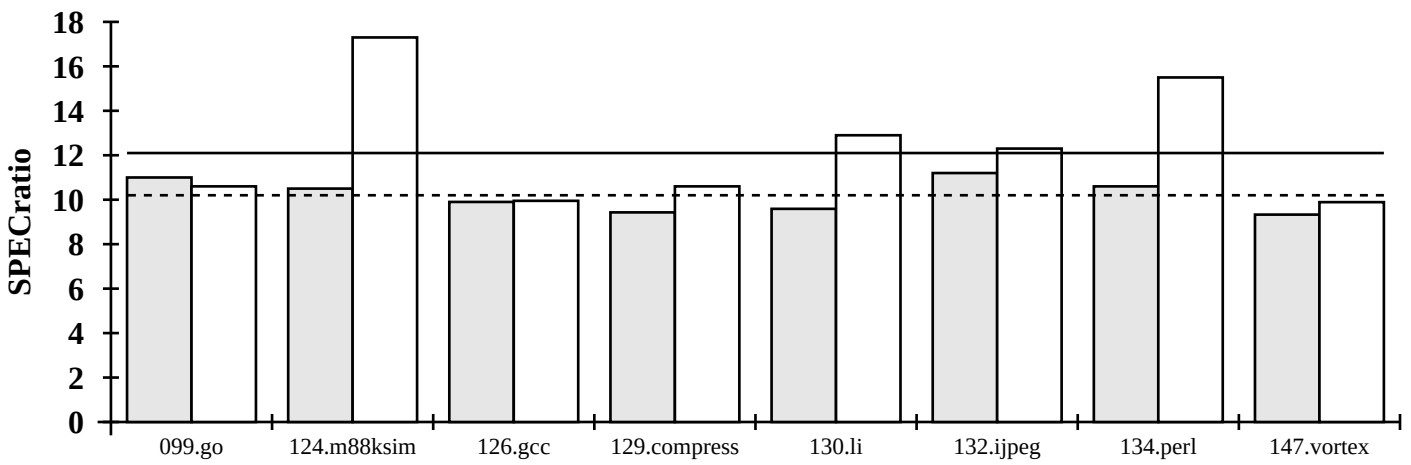
Sun Microsystems
Ultra 5 Model 360

SPECint95 = 12.1

SPECint_base95 = 10.2

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Apr-99	Hardware Avail: May-99	Software Avail: Feb-99



Hardware/Software Configuration for:
Ultra 5 Model 360

Hardware

Model Name:	Ultra 5 Model 360
CPU:	360 MHz UltraSPARC-IIi
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	256KB(I+D) off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 x 8.4GB (5400 RPM)
Other Hardware:	Fast Ethernet System clock frequency: 90 MHz

Software

Operating System:	Solaris 7 (64bit)
Compiler:	Sun WorkShop C 5.0
File System:	UFS
System State:	Single User
Kernel Extensions:	consistent_coloring=1

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	417	11.0	435	10.6
124.m88ksim	1900	180	10.5	110	17.3
126.gcc	1700	172	9.90	171	9.95
129.compress	1800	191	9.43	170	10.6
130.li	1900	198	9.59	147	12.9
132.ijpeg	2400	214	11.2	196	12.3
134.perl	1900	180	10.6	123	15.5
147.vortex	2700	289	9.33	273	9.89
SPECint_base95 (G. Mean)			10.2		
		SPECint95 (G. Mean)			12.1

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2= -xprofile=use:‘pwd‘/../feedback; FOPTION= -fast -xarch=v8plusa -s
Baseline: -fast -xO5 -xarch=v8plusa
Baseline: PASS1= ${P1}; PASS2= ${P2}
099.go: -fast -xO5 -xarch=v8plusa
099.go: PASS1= ${P1}; PASS2= ${P2} -dn
124.m88ksim: ${FOPTION} -xO5 -xsafe=mem  -xcrossfile -xrestrict -W2,-O4+cond_elim+pde,-ldstr,-Mt8500 -Wc,-Qiselect-sw_pf_tbl_th=20
124.m88ksim: PASS1= ${P1}; PASS2= ${P2} -dn
126.gcc: ${FOPTION} -xO4 -W2,-O4+ansi_alias+cond_elim
126.gcc: PASS1= ${P1}; PASS2= ${P2}
129.compress: ${FOPTION} -xO5 -xrestrict -W2,-O4+ansi_alias+pde -Wc,-Qms_pipe+unoovf
129.compress: PASS1= ${P1}; PASS2= ${P2} -dn
130.li: PASS1= -xO4 -xcrossfile ${P1}
130.li: PASS2= -xO5 -xsafe=mem -xcrossfile -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit ${P2} -dn
132.ijpeg: ${FOPTION} -xO5 -xsafe=mem  -W2,-O4+ansi_alias+cond_elim
132.ijpeg: PASS1= ${P1}; PASS2= ${P2} -dn
134.perl: ${FOPTION} -xO4  -xcrossfile -W2,-ANSI_S,-Mp1,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30
134.perl: EXTRA_LIBS= -lfast; PASS1= ${P1}; PASS2= ${P2} -dn
147.vortex: PASS1= -xO4 -xcrossfile ${P1}
147.vortex: PASS2= -xO5 -xsafe=mem -xcrossfile ${P2} -W2,-O4+cond_elim,-Mt500,-Mr6000,-crit -dn
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 file: u5best.cfg
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