SPEC CINT95 Results

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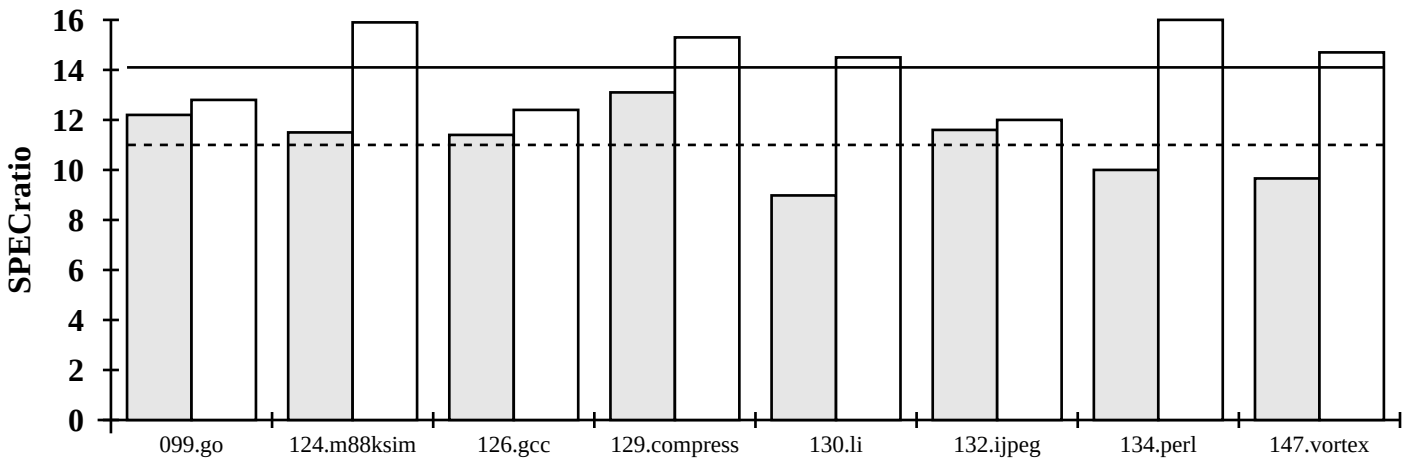
Sun Microsystems
Ultra 5 Model 333

SPECint95 = 14.1

SPECint_base95 = 11.0

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Sep-98	Hardware Avail: Nov-98	Software Avail: Oct-98



Hardware/Software Configuration for:
Ultra 5 Model 333

Hardware

Model Name:	Ultra 5 Model 333
CPU:	333 MHz UltraSPARC-IIi
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2MB(I+D) off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 x 9.1GB
Other Hardware:	Fast Ethernet System clock frequency: 111 MHz

Software

Operating System:	Solaris 2.6 3/98
Compiler:	Sun C SC5.0 EFT1 (8/98)
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	377	12.2	358	12.8
124.m88ksim	1900	165	11.5	119	15.9
126.gcc	1700	149	11.4	138	12.4
129.compress	1800	137	13.1	117	15.3
130.li	1900	212	8.98	131	14.5
132.ijpeg	2400	207	11.6	200	12.0
134.perl	1900	189	10.0	119	16.0
147.vortex	2700	279	9.66	183	14.7
SPECint_base95 (G. Mean)			11.0		
		SPECint95 (G. Mean)			14.1

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2= -xprofile=use:‘pwd‘/../feedback
Baseline: -fast -xO5 -xarch=v8plusa
Baseline: PASS1= ${P1}; PASS2= ${P2}
Peak:  ALIGN = -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7; CULTRA = -xarch=v8plusa -xchip=ultra
099.go: -fast -xO4 -xarch=v8plus -xrestrict -xcrossfile -W2,-O4+ansi_alias+bopt
099.go: PASS1= ${P1}; PASS2= ${P2} ${ALIGN} -dn
124.m88ksim: -fast -xO5 -xsafe=mem -xarch=v8plus -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: -fast -xO4 -xarch=v8plus -W2,-O4+ansi_alias+cond_elim
126.gcc: PASS1= ${P1}; PASS2= ${P2}
129.compress: -fast -xO5 -xsafe=mem -xarch=v8plus -xrestrict -W2,-O4+ansi_alias+pde -Wc,-Qms_pipe+unoovf
129.compress: PASS1= ${P1}; PASS2= ${P2} -dn
130.li: PASS1= -fast -xO4 -xarch=v8plus -xcrossfile ${P1}
130.li: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit ${P2} -dn
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus -W2,-O4+ansi_alias+cond_elim
132.ijpeg: PASS1= ${P1}; PASS2= ${P2} -dn
134.perl: -fast -xO4 ${CULTRA} -xcrossfile -W2,-ANSI_S,-Mp1,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30
134.perl: PASS1= ${P1}; PASS2= ${P2} -dn
147.vortex: PASS1= -fast -xO4 -xarch=v8plus -xcrossfile ${P1}
147.vortex: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -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: ultra10_int.cfg
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