SPEC CINT95 Results

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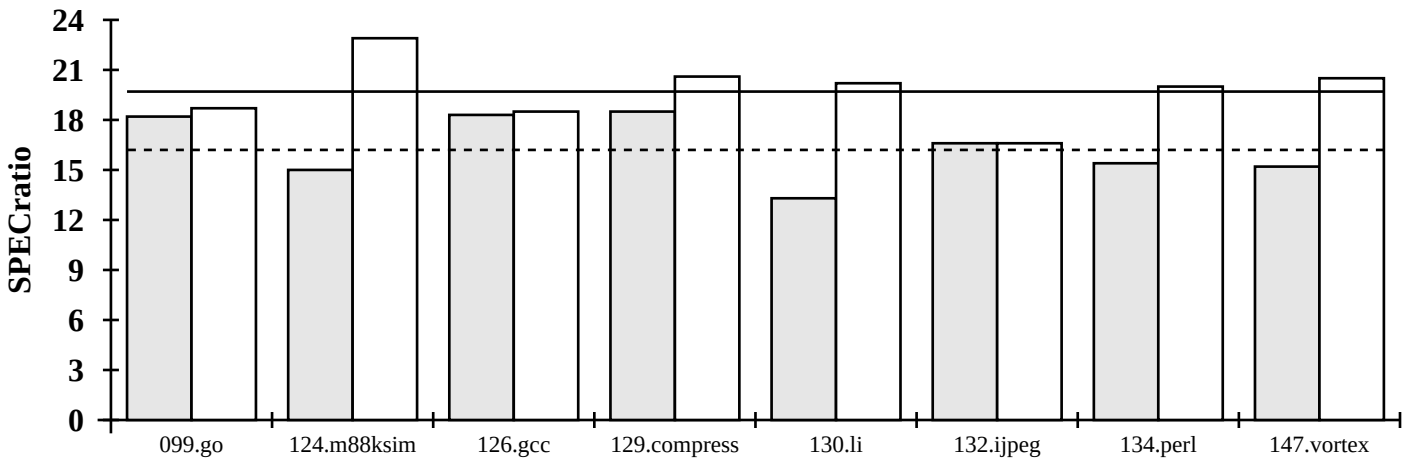
Sun Microsystems
Ultra 80 Model 1450

SPECint95 = 19.7

SPECint_base95 = 16.2

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



Hardware/Software Configuration for:
Ultra 80 Model 1450

Hardware

Model Name:	Ultra 80 Model 1450
CPU:	450 MHz UltraSPARC-II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	2 x 18GB
Other Hardware:	Fast Ethernet System clock frequency: 113 MHz

Software

Operating System:	Solaris 7 SU2 (64-bit)
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	252	18.2	246	18.7
124.m88ksim	1900	126	15.0	83	22.9
126.gcc	1700	92.9	18.3	92	18.5
129.compress	1800	97.2	18.5	87	20.6
130.li	1900	143	13.3	94	20.2
132.ijpeg	2400	144	16.6	145	16.6
134.perl	1900	123	15.4	95	20.0
147.vortex	2700	178	15.2	132	20.5
SPECint_base95 (G. Mean)			16.2		
		SPECint95 (G. Mean)			19.7

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2= -xprofile=use:‘pwd‘/../feedback;
Baseline: -fast -xO5 -xarch=v8plusa
Baseline: PASS1= ${P1}; PASS2= ${P2}
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: EXTRA_LIBS= -lfast; 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: ultra80int.cfg
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