SPEC CINT95 Results

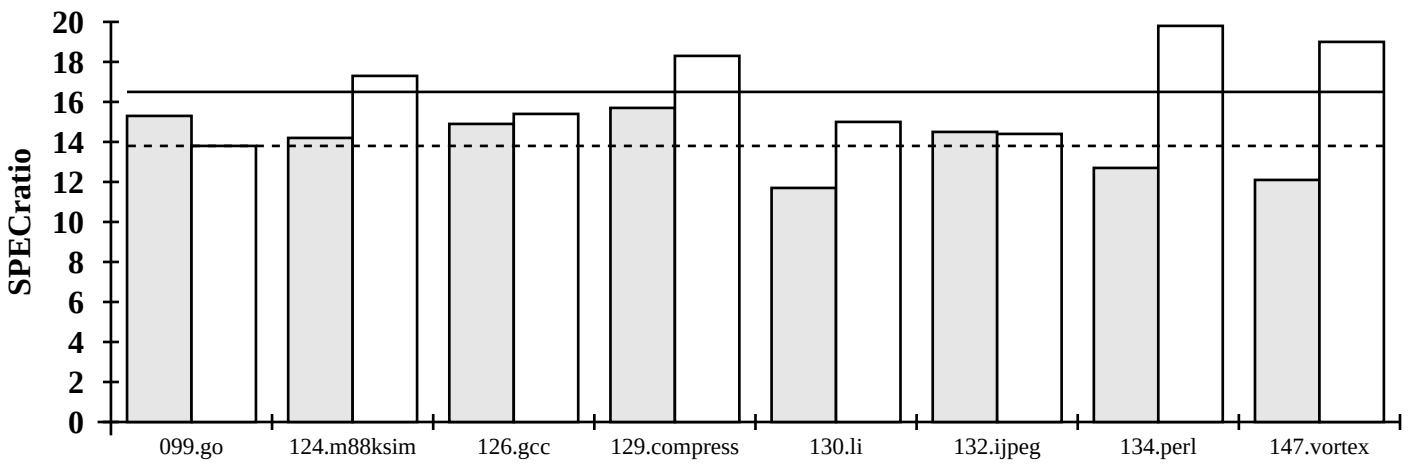
©Copyright 1995, Standard Performance Evaluation Corporation

Sun Microsystems
Ultra 5 Model 400

SPECint95 = 16.5

SPECint_base95 = 13.8

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Mar-2000	Hardware Avail: Mar-2000	Software Avail: May-2000



Hardware/Software Configuration for:
Ultra 5 Model 400

Hardware

Model Name:	Ultra 5 Model 400
CPU:	400 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:	2 x 9.1GB 7200-rpm
Other Hardware:	Fast Ethernet System clock frequency: 100 MHz

Software

Operating System:	Solaris 8
Compiler:	Sun WorkShop C 6.0
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	300	15.3	334	13.8
124.m88ksim	1900	134	14.2	110	17.3
126.gcc	1700	114	14.9	111	15.4
129.compress	1800	115	15.7	98	18.3
130.li	1900	162	11.7	127	15.0
132.ijpeg	2400	166	14.5	167	14.4
134.perl	1900	149	12.7	96	19.8
147.vortex	2700	224	12.1	142	19.0
SPECint_base95 (G. Mean)			13.8		
		SPECint95 (G. Mean)			16.5

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2=
‘pwd‘/../feedback; FOPTION= -fast -xarch=v8plusa -s
ALIGN = -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7; ASS =
Baseline: -fast -xO5 -xarch=v8plusa
Baseline: PASS1= ${P1}; PASS2= ${P2}
099.go: ${FOPTION} -xO4 -xrestrict -xcrossfile -W2,-O4+ansi_alias+bopt
099.go: PASS1= ${P1}; PASS2= ${P2} ${ALIGN} -dn
124.m88ksim: ${FOPTION} -xO5 -xsafe=mem  -xcrossfile -xrestrict
124.m88ksim(cont): -W2,-O4+cond_elim+pde,-ldstr,-Mt8500
124.m88ksim: PASS1= ${P1}; PASS2= ${P2} -dn
126.gcc: -fast -xchip=ultra2 -xO5 -xarch=v8plus -W2,-O4+heap+ansi_alias
126.gcc: PASS1= ${P1}; PASS2= ${P2}
129.compress: ${FOPTION} -xO5 -xrestrict -W2,-O4+ansi_alias+pde
129.compress: PASS1= ${P1}; PASS2= ${P2} -dn
130.li: PASS1= -fast -xchip=ultra2 -xO4 -xcrossfile  ${P1}
130.li: PASS2= -fast -xchip=ultra2 -xO5 -xarch=v8plus -xsafe=mem
130.li (cont): ${P2} ${ASS}
132.ijpeg: -fast -xchip=ultra2 -xO5 -xdepend -xsafe=mem -xarch=v8plus
132.ijpeg: PASS1= ${P1}; PASS2= ${P2} ${ASS}
134.perl: -fast -xchip=ultra2 -W2,-ANSI_S,-Mp1 -xcrossfile
134.perl: EXTRA_LIBS= -lfast; PASS1= ${P1}; PASS2= ${P2} ${ASS}
147.vortex: PASS1= -fast -xchip=ultra2 -xO4 -xarch=v8plus -xcrossfile
147.vortex: PASS2= -fast -xchip=ultra2 -xO5 -xsafe=mem -xarch=v8plus
147.vortex (cont):
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc, 126.gcc:
Shell limits: # ulimit -n 1024  or % limit descriptors 1024
-- Config file: u5_us2i_400.cfg
```