SPEC CINT95rate Results

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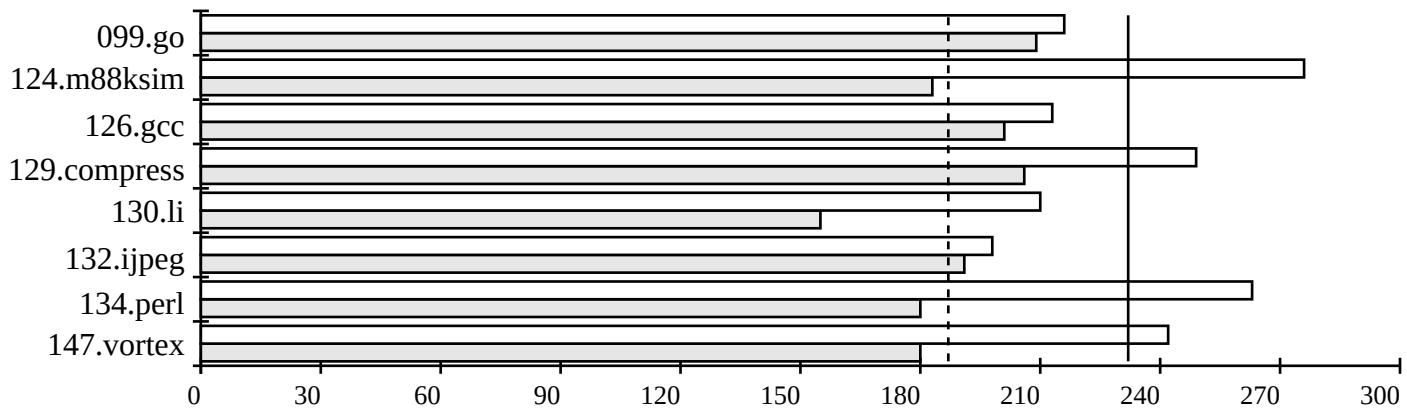
Sun Microsystems
Ultra 60 296MHz

SPECint_rate95 = 232

SPECint_rate_base95 = 187

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):	2
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	2	397	209	2	384	216
124.m88ksim	2	187	183	2	124	276
126.gcc	2	152	201	2	144	213
129.compress	2	157	206	2	130	249
130.li	2	220	155	2	163	210
132.ijpeg	2	226	191	2	218	198
134.perl	2	190	180	2	130	263
147.vortex	2	271	180	2	201	242
SPECint_rate_base95 (G. Mean)			187			
			SPECint_rate95 (G. Mean)			232

Notes/Tuning Information

```
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 17:00:51 1998
cpu95-980127-02365.sub
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/