SPEC CINT95rate Results

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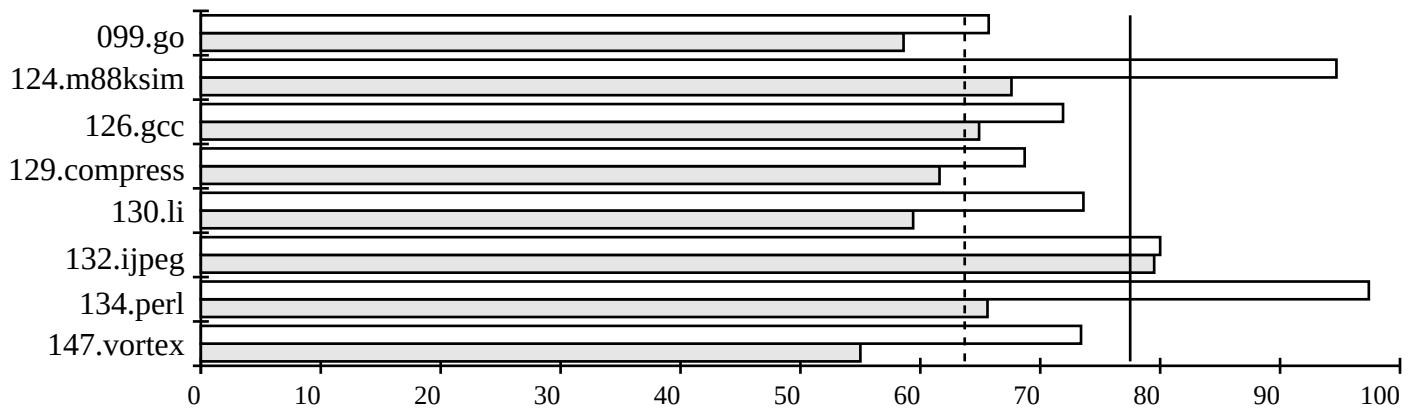
Sun Microsystems
Ultra 5 270MHz

SPECint_rate95 = 77.5

SPECint_rate_base95 = 63.7

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Dec-97	Hardware Avail: Jan-98	Software Avail: May-98



Hardware/Software Configuration for:
Ultra 5 270MHz

Hardware

Model Name:	Ultra 5 270MHz
CPU:	270MHz 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 4.01GB
Other Hardware:	Fast Ethernet
	System clock frequency: 90 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	1413	58.6	2	1260	65.7
124.m88ksim	2	506	67.6	2	361	94.7
126.gcc	2	471	64.9	2	426	71.9
129.compress	2	526	61.6	2	472	68.7
130.li	2	575	59.4	2	465	73.6
132.ijpeg	2	543	79.5	2	540	80.0
134.perl	2	521	65.6	2	351	97.4
147.vortex	2	883	55.0	2	662	73.4
SPECint_rate_base95 (G. Mean)			63.7			
SPECint_rate95 (G. Mean)						77.5

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
124.m88ksim: -fast -xO4 -xarch=v8plus -xcrossfile -xrestrict
124 cont: -W2,-O4+cond_elim+pde,-Mt9000 -xprofile=use
126.gcc: -fast -xO4 -xsafe=mem  -fsimple=2 -W2,-O4+ansi_alias+cond_elim -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias+pde -xarch=v8plus -xprofile=use
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
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
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,crit
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 16:50:03 1998
cpu95-980127-02360.sub
```

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