SPEC CINT95rate Results

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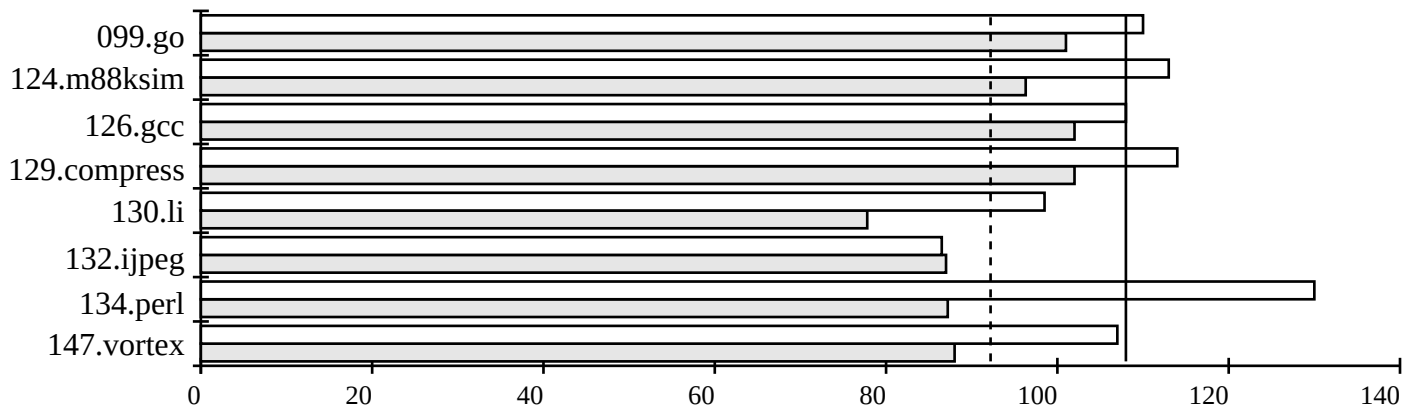
Sun Microsystems
Sun Ultra 2 Model 30

SPECint_rate95 = 108

SPECint_rate_base95 = 92.2

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Jul-97	Hardware Avail: Jul-97	Software Avail: Oct-97



Hardware/Software Configuration for:
Sun Ultra 2 Model 30

Hardware

Model Name:	Sun Ultra 2 Model 30
CPU:	296MHz UltraSPARC
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2048KB(I+D) off chip
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1 x 4GB 1 x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Solaris 2.5.1 (SHWP HW 0497)
Compiler:	Sun C SC5.0 EFT(10-97)
File System:	UFS
System State:	Single-User
Kernel Extensions:	

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	2	822	101	2	753	110
124.m88ksim	2	355	96.3	2	303	113
126.gcc	2	301	102	2	282	108
129.compress	2	318	102	2	284	114
130.li	2	440	77.8	2	347	98.5
132.ijpeg	2	497	87.0	2	500	86.5
134.perl	2	392	87.2	2	263	130
147.vortex	2	552	88.0	2	453	107
SPECint_rate_base95 (G. Mean)			92.2			
				SPECint_rate95 (G. Mean)		108

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 -xrestrict -W2,-O4+cond_elim,-ldstr
124 cont: -Wc,-Qiselect-sw_pf_tbl_th=20 -xprofile=use
126.gcc: -fast -xO4  -fsimple=2 -W2,-O4+ansi_alias+bopt+cond_elim ${CULTRA} -xprofile=use
129.compress: -fast -xO4 -W2,-O4+ansi_alias -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,-Mt350 -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,-Mt350 -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
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 Version @(#)ultra30.cfg 1.2 97/01/30
Alexander Carlton <aca@pro.specbench.org>
Mon Jul 21 20:39:54 1997
cpu95-970721-02000.sub
```

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-- Prepared By: --