SPEC CINT95rate Results

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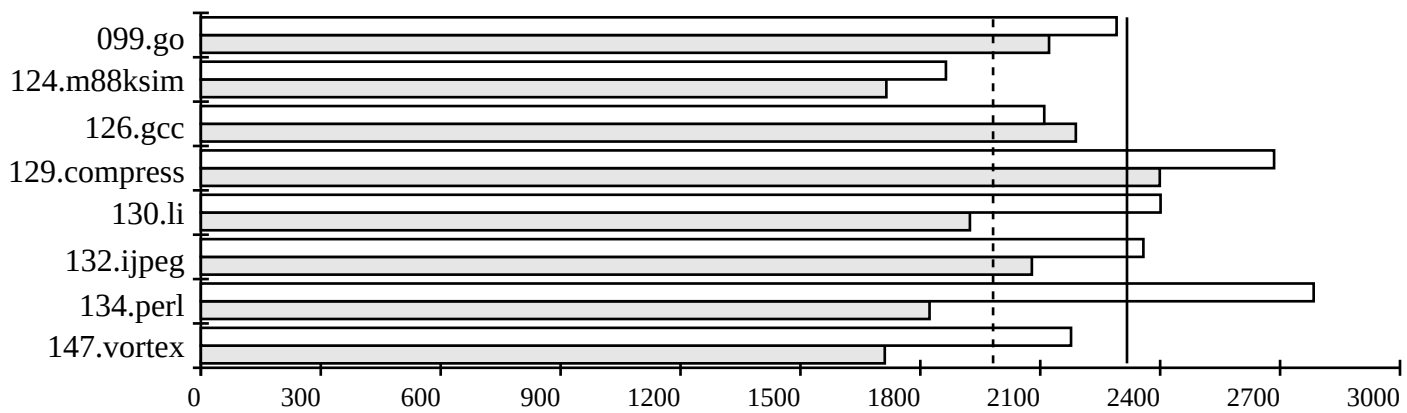
Sun Microsystems
Ultra Enterprise 6001/30

SPECint_rate95 = 2317

SPECint_rate_base95 = 1982

SPEC license # 6	Tested By: Sun, Mountain View	Test Date: Nov-96	Hardware Avail: Jan-97	Software Avail: Nov-96



Hardware/Software Configuration for:
Ultra Enterprise 6001/30

Hardware

Model Name:	Ultra Enterprise 6001
CPU:	250MHz UltraSPARC II
FPU:	integrated
Number of CPU(s):	30
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	1024KB(I+D) off chip
Other Cache:	None
Memory:	6GB
Disk Subsystem:	4 x 2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.5.1
Compiler:	Sun C 4.2 alpha
File System:	UFS
System State:	Multiuser

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	37	722	2122	37	669	2291
124.m88ksim	37	369	1715	37	339	1864
126.gcc	37	259	2189	37	268	2110
129.compress	37	250	2399	37	223	2685
130.li	37	329	1924	37	264	2401
132.ijpeg	37	384	2079	37	339	2358
134.perl	37	347	1823	37	227	2784
147.vortex	37	525	1711	37	413	2177
SPECint_rate_base95 (G. Mean)			1982			
SPECint_rate95 (G. Mean)						2317

Notes/Tuning Information

```
Baseline: -fast -xO5 -xarch=v8plusa -xprofile=use
Peak: CULTRA= -xarch=v8plusa -xchip=ultra -dn
099.go: -fast -xO5 -xsafe=mem -xarch=v8plus -W2,-O4+ansi_alias+bopt -xprofile=use
124.m88ksim: -fast -xO4 -xarch=v8plus -xrestrict -W2,-O4+cond_elim
124 cont: -Wc,-Qiselect-sw_pf_tbl_th=20,-Qpeep-Ex:use_int64=1 -xprofile=use
126.gcc: -fast -xO4 -xdepend -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,-whole -Wc,-QrmT1 -xprofile=use
132.ijpeg: -fast -xO5 -xsafe=mem -xdepend -xarch=v8plus -W2,-O4+ansi_alias -Wc,-Qsched-HLnxyhwbli -xprofile=use
134.perl: -fast -xO4 ${CULTRA} -W2,-Mp1,-ANSI_S,-O4+cond_elim -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 -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 @(#)grover1003.cfg 1.59 96/07/23
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org