SPEC CINT95rate Results

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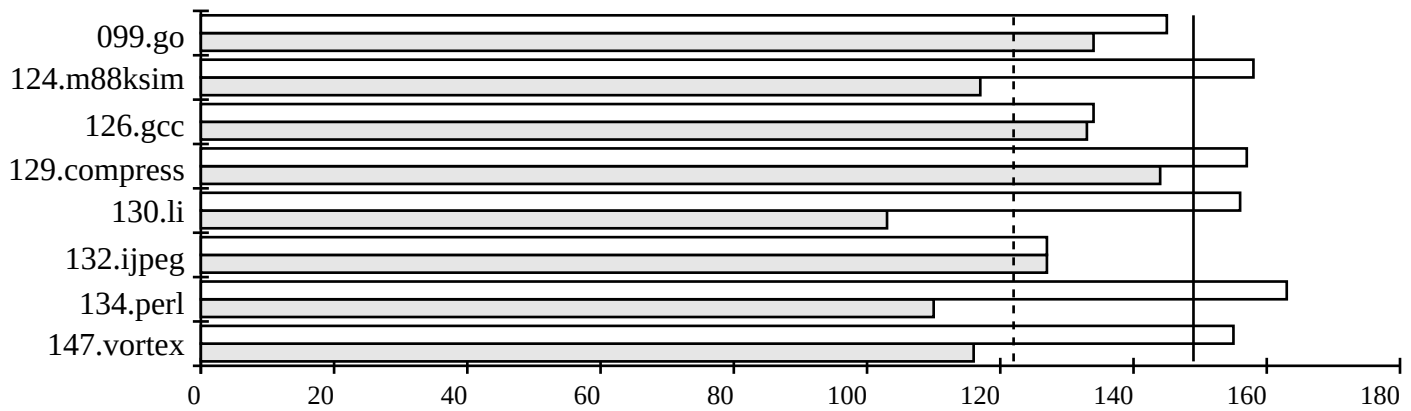
Sun Microsystems
Sun Enterprise 250

SPECint_rate95 = 149

SPECint_rate_base95 = 122

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Feb-99	Hardware Avail: Mar-99	Software Avail: Feb-99



Hardware/Software Configuration for:
Sun Enterprise 250

Hardware

Model Name:	Sun Enterprise 250
CPU:	400 MHz UltraSPARC-II
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 4.2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 7 (kernel/unix)
Compiler:	Sun C 5.0 Developer Release (12/22/98)
File System:	UFS
System State:	Single User
Kernel Extensions:	consistent_coloring=1

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	310	134	1	286	145
124.m88ksim	1	146	117	1	108	158
126.gcc	1	115	133	2	228	134
129.compress	1	112	144	1	103	157
130.li	1	166	103	1	110	156
132.ijpeg	1	170	127	1	170	127
134.perl	1	155	110	1	105	163
147.vortex	1	209	116	1	157	155
SPECint_rate_base95 (G. Mean)			122			
			SPECint_rate95 (G. Mean)			149

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2=
‘pwd‘/../feedback
Baseline: -fast -xO5 -xarch=v8plusa; PASS1= ${P1}; PASS2= ${P2}
CULTRA= -xarch=v8plusa -xchip=ultra; ALIGN =
099.go: -fast -xO4 -xarch=v8plus -xrestrict -xcrossfile
099.go: PASS1= ${P1}; PASS2= ${P2} ${ALIGN} -dn
124.m88ksim: -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xrestrict
124.m88ksim: -Mt8500 -Wc,-Qiselect-sw_pf_tbl_th=20; PASS1= ${P1};
126.gcc: -fast -xO4 -xarch=v8plus -W2,-O4+ansi_alias+cond_elim; PASS1=
129.compress: -fast -xO5 -xsafe=mem -xarch=v8plus -xrestrict
129.compress: PASS1= ${P1}; PASS2= ${P2} -dn
130.li: -fast -x04 ${CULTRA}; PASS1= -fast -xO4 -xarch=v8plus
130.li: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
130.li: -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit ${P2} -dn
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus
132.ijpeg: PASS1= ${P1}; PASS2= ${P2} -dn
134.perl: -fast -xO4 ${CULTRA} -xcrossfile
134.perl: PASS1= ${P1}; PASS2= ${P2} -dn
147.vortex: -fast -x04 ${CULTRA}; PASS1= -fast -xO4 -xarch=v8plus
147.vortex: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
Portability: 124.m88ksim, 132.ijpeg: -DSYSV -Xc  126.gcc:
others: -Xc
Shell limits: # ulimit -n 1024  or % limit descriptors 1024; Config
E250_DT.pub_sp.int.fp_3.cfg 99/1/27
```

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