SPEC CINT95rate Results

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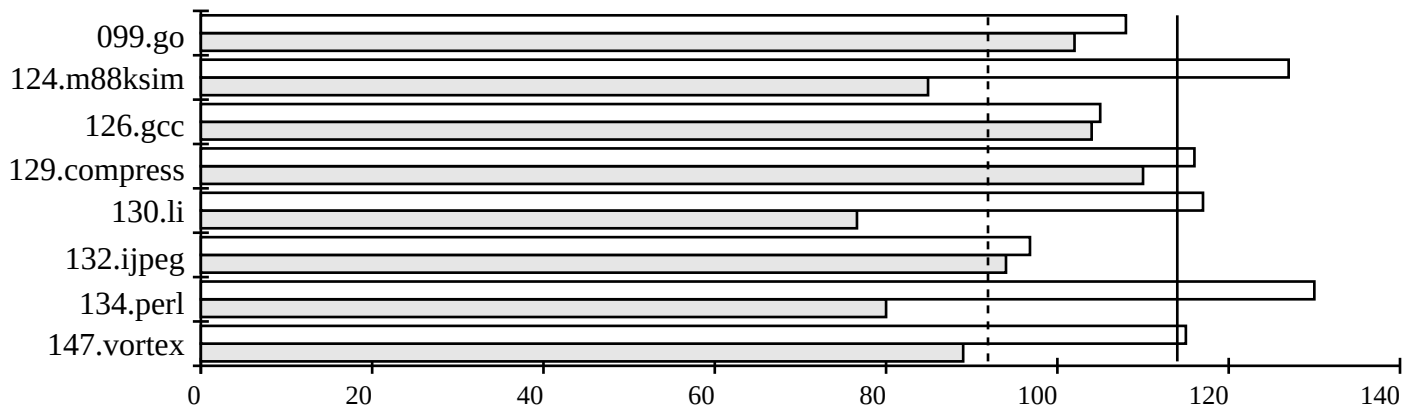
Sun Microsystems
Sun Enterprise 250

SPECint_rate95 = 114

SPECint_rate_base95 = 91.9

SPEC license # 6	Tested By: Sun, Palo Alto	Test Date: Sep-98	Hardware Avail: Jul-98	Software Avail: Feb-99



Hardware/Software Configuration for:
Sun Enterprise 250

Hardware

Model Name:	Sun Enterprise 250
CPU:	296 MHz UltraSPARC-II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD on chip
Secondary Cache:	2048KB (I+D) off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	2 x 4.2GB
Other Hardware:	Fast Ethernet

Software

Operating System:	Solaris 2.6 Hardware 5/98 Patch 105591-03
Compiler:	Sun C 5.0 Early Access
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	404	102	1	384	108
124.m88ksim	1	201	84.9	1	135	127
126.gcc	1	147	104	2	290	105
129.compress	1	147	110	1	139	116
130.li	1	223	76.6	1	146	117
132.ijpeg	1	230	94.0	1	223	96.8
134.perl	1	214	80.0	1	132	130
147.vortex	1	273	89.0	1	211	115

SPECint_rate_base95 (G. Mean) 91.9

SPECint_rate95 (G. Mean) 114

Notes/Tuning Information

```
P1= -xprofile=collect:‘pwd‘/../feedback; P2= -xprofile=use:‘pwd‘/../feedback
Baseline: -fast -xO5 -xarch=v8plusa; PASS1= ${P1}; PASS2= ${P2}
CULTRA= -xarch=v8plusa -xchip=ultra; ALIGN = -Wc,-Qiselect-funcalign=32,-Qicache-L1-bsize=4-bbits=7
099.go: -fast -xO4 -xarch=v8plus -xrestrict -xcrossfile -W2,-O4+ansi_alias+bopt
099.go: PASS1= ${P1}; PASS2= ${P2} ${ALIGN}
124.m88ksim: -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile -xrestrict -W2,-O4+cond_elim+pde, -ldstr,
124 cont: -Mt8500 -Wc,-Qiselect-sw_pf_tbl_th=20; PASS1= ${P1}; PASS2= ${P2}
126.gcc: -fast -xO4 -xarch=v8plus -W2,-O4+ansi_alias+cond_elim; PASS1= ${P1}; PASS2= ${P2}
129.compress: -fast -xO5 -xsafe=mem -xarch=v8plus -xrestrict -W2,-O4+ansi_alias+pde -Wc -Qms_pipe+unoovf
129.compress: PASS1= ${P1}; PASS2= ${P2}
130.li: -fast -x04 ${CULTRA}; PASS1= -fast -xO4 -xarch=v8plus -xcrossfile ${P1}
130.li: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile
130 PASS2 cont: -W2,-O4+ansi_alias+cond_elim+pde,-Mt350,-whole,-crit ${P2}
132.ijpeg: -fast -xO5 -xsafe=mem  -xarch=v8plus -W2,-O4+ansi_alias+cond_elim
132..ijpeg: PASS1= ${P1}; PASS2= ${P2}
134.perl: -fast -xO4 ${CULTRA} -xcrossfile -W2,-Mp1,-ANSI_S,-O4+cond_elim -Wc,-Qiselect-sw_pf_tbl_th=30 -lfast
134.perl: PASS1= ${P1}; PASS2= ${P2}
147.vortex: -fast -x04 ${CULTRA}; PASS1= -fast -xO4 -xarch=v8plus -xcrossfile ${P1}
147.vortex: PASS2= -fast -xO5 -xsafe=mem -xarch=v8plus -xcrossfile ${P2} -W2,-O4+cond_elim,-Mt500,-Mr6000,-crit
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 file: E250.WGS_int.cfg 98/09/23
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