SPEC CINT95rate Results

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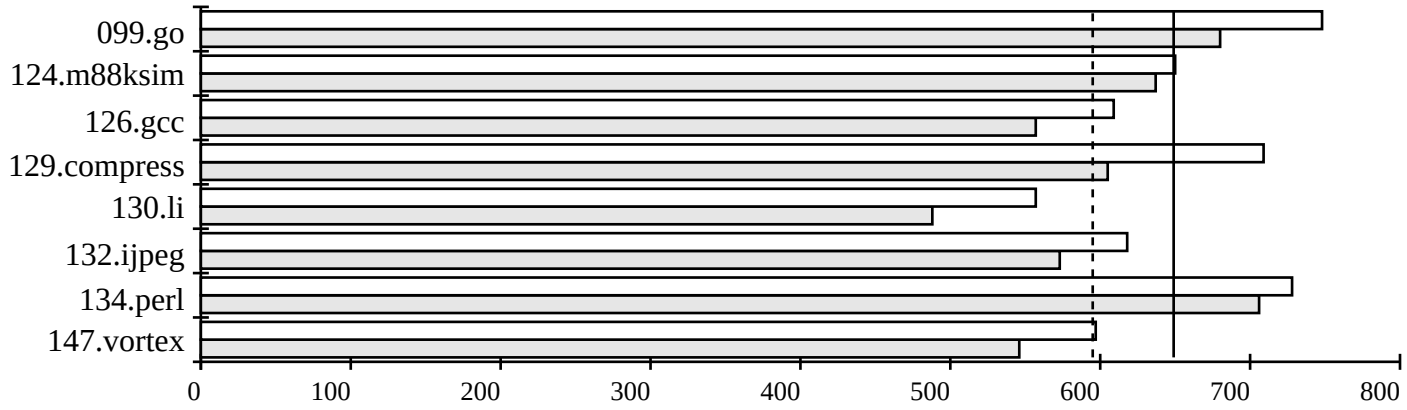
SGI origin2000

SPECint_rate95 = 649

SPECint_rate_base95 = 595

SPEC license # 04	Tested By: SGI	Test Date: Nov-96	Hardware Avail: Nov-96	Software Avail: Nov-96



Hardware/Software Configuration for: origin2000

Hardware

Model Name:	origin2000
CPU:	195 MHz MIPS R10000 Processor Chip Revision: 2.6
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	8
Primary Cache:	32KBI+32KBD
Secondary Cache:	4MB(I+D)
Other Cache:	None
Memory:	2048 MB
Disk Subsystem:	1 SCSI 4GB
Other Hardware:	None

Software

Operating System:	IRIX64 6.4
Compiler:	MipsPRO 7.1
	KAP
File System:	XFS
System State:	Multi-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	8	487	680	8	443	748
124.m88ksim	8	215	637	8	210	650
126.gcc	8	220	557	8	201	609
129.compress	8	214	605	8	183	709
130.li	8	280	488	8	245	557
132.ijpeg	8	302	573	8	280	618
134.perl	8	194	706	8	188	728
147.vortex	8	356	546	8	326	597
SPECint_rate_base95 (G. Mean)			595			
			SPECint_rate95 (G. Mean)			649

Notes/Tuning Information

```
Extra Linker Flag: -lMMmalloc -DUSG
Base Flags: -Ofast -Dalloca=__builtin_alloca
Peak Flags:
go: -n32 -O3 -mips4 -CG:if_conversion=off:ld_latency=5 -LNO:prefetch=1:pf2=OFF
.   -OPT:Olimit=0:unroll_times_max=3:unroll_analysis=off -fbgo.cfb
.   -IPA:alias=on:plimit=1000:small_pu=60:maxdepth=1
m88ksim: -O3 -n32 -mips4 -IPA:plimit=4000:small_pu=100 -OPT:Olimit=0 -fbm88ksim.cfb -DUSG -lMMmalloc -ipa
gcc: -Ofast -LNO:fusion=2 -CG:if_conversion=off:ld_latency=5 -fbcc1.cfb -cckr
.    -Dalloca=__builtin_alloca -DUSG -lMMmalloc -OPT:Olimit=2000 -IPA:clone=on
compress: -32 -mips2 -non_shared -O3 -Wm,-inline_all -sopt,-so=3,-r=3,-o=5,-inline
li:   -O3 -n32 -mips4 -OPT:alias=typed:Olimit=0 -IPA:space=70:min_freq=1:rela_freq=1 -fbli.cfb -lMMmalloc
ijpeg:  -O3 -n32 -mips4 -IPA -OPT:alias=restrict -IPA:depth=0 -CG:ld_latency=8 -DUSG -lMMmalloc -IPA:clone=on
perl: -O2 -n32 -mips4 -IPA -OPT:alias=typed:Olimit=0 -fbperl.cfb -lMMmalloc
vortex:  -Ofast -LNO:fusion=2:fission=2:prefetch=1:prefetch_ahead=2 -fbvortex.cfb -lMMmalloc -IPA:clone=on
```

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