SPEC CINT95rate Results

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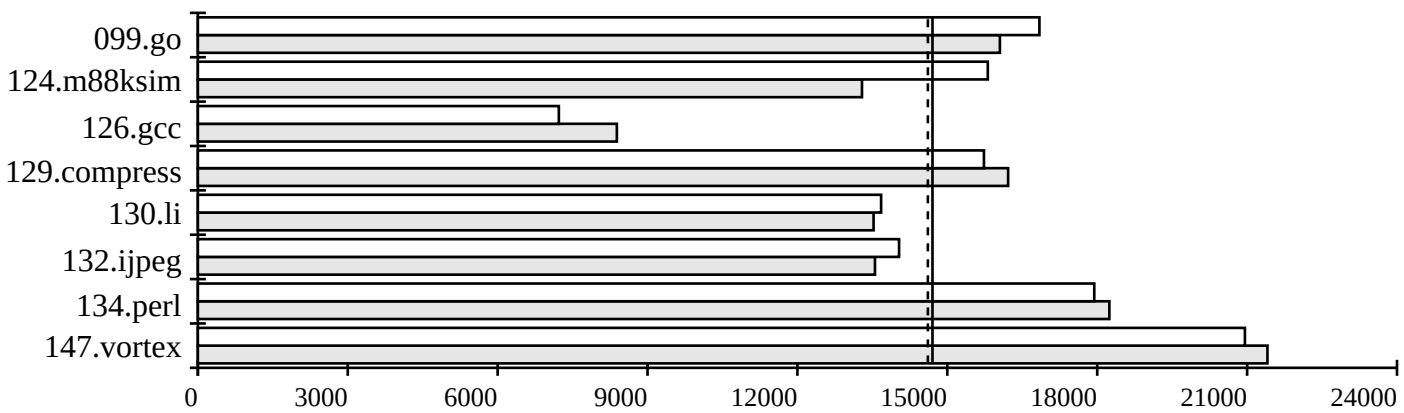
SGI Origin2000

SPECint_rate95 = 14703

SPECint_rate_base95 = 14611

SPEC license # 04	Tested By: SGI	Test Date: Jul-98	Hardware Avail: Apr-98	Software Avail: Apr-98



SPECrate

Hardware/Software Configuration for: Origin2000

Hardware

Model Name:	Origin2000: 128X 250MHz R10k
CPU:	250 MHz MIPS R10000 Processor Chip Revision: 3.3
FPU:	MIPS R10010 Floating Point Chip Revision: 0.0
Number of CPU(s):	128
Primary Cache:	32KBI + 32KBD on chip
Secondary Cache:	4MB (I+D)
Other Cache:	None
Memory:	128GB
Disk Subsystem:	25 SCSI 4.4GB (striped 128)
Other Hardware:	none

Software

Operating System:	IRIX64 6.5-SE w/patchset 95
Compiler:	MIPSpro C Compiler 7.2
	IRIX Development Foundation 1.0
File System:	XFS
System State:	Single-User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	128	330	16052	128	315	16843
124.m88ksim	128	165	13292	128	138	15810
126.gcc	128	234	8386	128	271	7225
129.compress	128	128	16217	128	132	15733
130.li	128	162	13524	128	160	13675
132.ijpeg	128	204	13552	128	197	14034
134.perl	128	120	18243	128	122	17941
147.vortex	128	145	21407	128	148	20956
SPECint_rate_base95 (G. Mean)			14611			
			SPECint_rate95 (G. Mean)			14703

Notes/Tuning Information

```
Portability Flags: all: -DUSG  gcc: -Dalloca=__builtin_alloca
FEEDBACK:
.   PASS1 = -fb_create /tmp/FBDIR/$(EXENAME)
.   PASS2 = -fb_opt /tmp/FBDIR/$(EXENAME)
Base Flags: -Ofast=ip27 -IPA:use_intrinsic, FEEDBACK
Peak Flags:
go:       -O2 -n32 -mips4 -IPA:plimit=1000:small_pu=60:use_intrinsic \
.         -TARG:platform=ip27 -OPT:Olimit=0 -OPT:goto=off, FEEDBACK
m88ksim:  -O2 -TARG:platform=ip27 -IPA:plimit=4000:space=100:small_pu=90:use_intrinsic \
.         -OPT:Olimit=0:ro=3:goto=off:unroll_times_max=32:unroll_size=300, FEEDBACK
gcc:      -Ofast=ip27 -IPA:use_intrinsic:callee_limit=1500:plimit=750:space=120:clone=on -OPT:fast_bit_intrinsics=on \
.         -LNO:fission=1:pwr2=off:prefetch=0 -OPT:ieee_arith=3, FEEDBACK
compress: -Ofast=ip27 -IPA:use_intrinsic, FEEDBACK
li:       -Ofast=ip27 -IPA:use_intrinsic:min_hot=12:callee_limit=750:plimit=12000 \
.         -IPA:space=200:clone=on:aggr_cprop=on -OPT:goto=off, FEEDBACK
ijpeg:    -Ofast=ip27 -LNO:fission=0:interchange=off:pf2=0:ou_max=2 -OPT:unroll_analysis=off:unroll_size=480:ieee_arith=3 \
.         -IPA:use_intrinsic:callee_limit=950:plimit=730:space=130:clone=on -OPT:goto=off, FEEDBACK
perl:     -Ofast=ip27 -IPA:use_intrinsic, FEEDBACK
vortex:   -Ofast=ip27 -IPA:use_intrinsic, FEEDBACK
.
Large pages were enabled for base and peak using:
.  systune -i ;  percent_totalmem_1m_pages = 50
.  setenv PAGESIZE_DATA 1m
.
Jobs submitted using "dplace -place submit.pf -mustrun "
```

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-- Prepared By: --