SPEC CINT95rate Results

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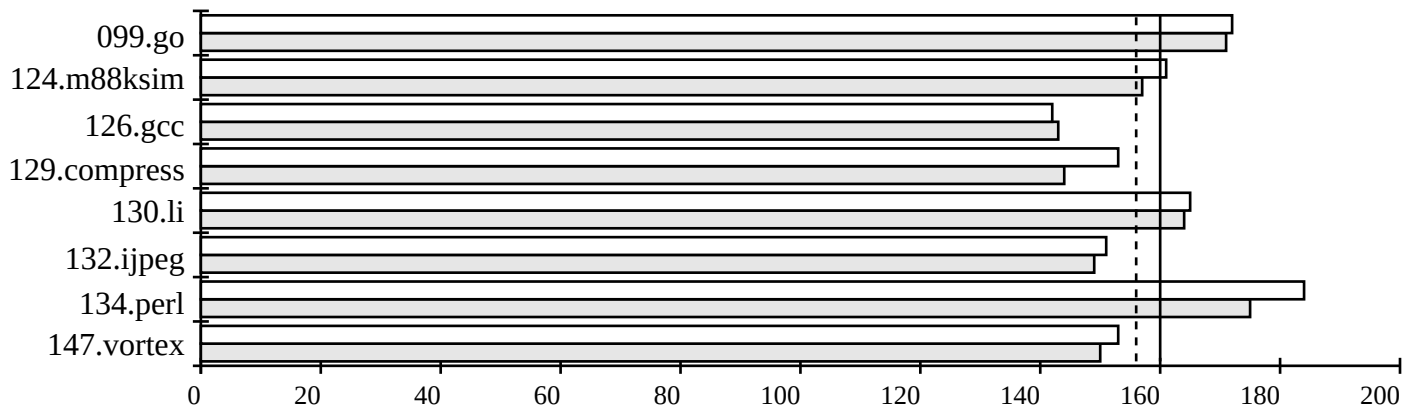
Siemens Pyramid RM300 Model C80

SPECint_rate95 = 160

SPECint_rate_base95 = 156

SPEC license # 38	Tested By: SNI, Paderborn / Germany	Test Date: Jan-97	Hardware Avail: Apr-97	Software Avail: Mar-97



Hardware/Software Configuration for:
RM300 Model C80

Hardware

Model Name:	RM300-C80
CPU:	180 MHz R10000
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	2MB(I+D) off chip per CPU
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 x 4GB (root), 2 x 4GB (striped)
Other Hardware:	None

Software

Operating System:	Reliant UNIX 5.43 C 00 (MP)
Compiler:	pyrC 5.0A00
File System:	VxFS (/var/tmp as RAM disk)
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	2	484	171	2	480	172
124.m88ksim	2	218	157	2	213	161
126.gcc	2	214	143	2	215	142
129.compress	2	225	144	2	212	153
130.li	2	209	164	2	207	165
132.ijpeg	2	290	149	2	287	151
134.perl	2	196	175	2	186	184
147.vortex	2	324	150	2	317	153
SPECint_rate_base95 (G. Mean)			156			
			SPECint_rate95 (G. Mean)			160

Notes/Tuning Information

```
Baseline:
PASS1_CFLAGS = -qfeedback -WM,-Omips4 -WM,-G44 -dn
PASS2_CFLAGS = -WM,-Omips4 -WM,-G44 -dn
Peak:
PASS1_CFLAGS = Same as baseline
PASS2_CFLAGS = -WM,-Omips4 -WM,-G44 (except 099.go) -dn, plus the following:
099.go:       -WM,-G1799 -Wo,-loopunroll:2 -Wg,-boc:0.3 -Wb,-prefetch,40,128 -Wg,-inline_limit:700
124.m88ksim:  -Wb,-prefetch,512,0 -Wo,-loopunroll:4 -Wb,-br_likely_cntl,60,200 -Wg,-space_time:0.7
126.gcc:      -Wb,-prefetch,512,0 -Wo,-loopunroll:0 -Wb,-br_likely_cntl,80,100 -Wg,-boc:1.6
129.compress: -Wb,-br_likely_cntl,60,100 -Wo,-loopunroll:4 -Wo,-unrolllimit:200 -Wg,-inline_limit:900
130.li:       -Wg,-inline_limit:800 -Wg,-boc:0.5
132.ijpeg:    -Wo,-unrolllimit:700 -Wo,-loopunroll:16 -Wg,-space_time:4 -Wb,-prefetch,110,0 -Wg,-inline_limit:1300
134.perl:     -Wo,-loopunroll:4 -Wg,-boc:1.6 -Wg,-inline_limit:600
147.vortex:   -Wo,-loopunroll:2 -Wg,-boc:0.9 -Wg,-inline_limit:500
For portability: 134.perl: -DI_TIME -DI_SYS_TIME
```

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