SPEC CINT95 Results

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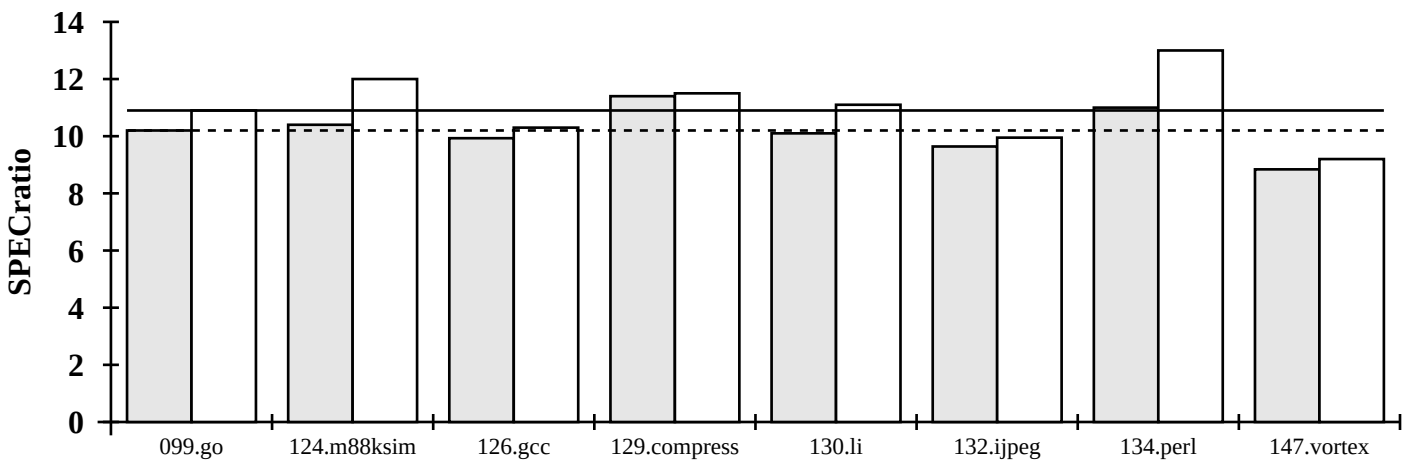
Siemens Nixdorf Informationssysteme RM300 Model E50

SPECint95 = 10.9

SPECint_base95 = 10.2

SPEC license # 22	Tested By: SNI, Paderborn / Germany	Test Date: Feb-98	Hardware Avail: Mar-98	Software Avail: Mar-98



Hardware/Software Configuration for:
RM300 Model E50

Hardware

Model Name:	RM300-E50
CPU:	200 MHz R10000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	2MB(I+D) off chip per CPU
Other Cache:	None
Memory:	2048MB
Disk Subsystem:	3 x 4GB (striped)
Other Hardware:	None

Software

Operating System:	Reliant UNIX 5.44 B 00 (SP)
Compiler:	pyrC 6.0A00
File System:	VxFS, -o nolog
System State:	Multi user, no extra processes

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	450	10.2	423	10.9
124.m88ksim	1900	183	10.4	158	12.0
126.gcc	1700	171	9.93	164	10.3
129.compress	1800	158	11.4	156	11.5
130.li	1900	188	10.1	172	11.1
132.ijpeg	2400	249	9.64	241	9.95
134.perl	1900	172	11.0	147	13.0
147.vortex	2700	305	8.84	294	9.20
SPECint_base95 (G. Mean)			10.2		
		SPECint95 (G. Mean)			10.9

Notes/Tuning Information

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Baseline:
PASS1 = -qfeedback; PASS2 = [empty]; OPTIMIZE = -WM,-Omips4 -WM,-G44 -dn
Peak:
099.go: -WM,-G1799 -Wo,-loopunroll,8 -Wo,-unrolllimit,2000 -Wg,-inline_limit,200
124.m88ksim: -WM,-G4000 -KOlimit:3500 -Wg,-inline_limit,1000  -Wo,-splitedges,0 -WM,-pre_opt
-Wo,-loopunroll,32,-unrolllimit,350 -Wb,-br_likely_cntl,60,200 -WG,-space_time:0.5
126.gcc: -WM,-G44 -WG,-boc,0.38,-only_clone_recursion,-recursion_depth,1,-clone_expansion,1.1 -Wb,-prefetch,512,0 -Wo,-recursive_calls
129.compress: -WM,-G44 -Wb,-no_self_copy
130.li: -WM,-G4000 -Wo,-unrolllimit,1000 -WG,-boc,0.35,-inline_limit,1500,-recursion_depth,3,-recursion_limit,400
-WG,-clone_expansion,1.25,-only_clone_recursion -Wg,-dont_prune_zero_edges
132.ijpeg: -WM,-G44 -Wo,-no_const_in_reg -Wo,-unrolllimit:800 -WG,-space_time:3.4 -Wb,-prefetch,100,0
134.perl: -WM,-G32 -KOlimit:5000 -Wo,-unrolllimit,500 -Wo,-recursive_calls -WG,-boc,0.25 -Wg,-recursion_limit,4700
-Wn,-recursion_limit,1000000,-recursion_depth,1,-only_clone_recursion -Wc,-xjp_mh_opt,1,30 -WM,-no_positioning
147.vortex: -WM,-G46 -Wo,-unrolllimit,1000 -Wg,-boc,0.91,-inline_limit,300

1-pass feedback for 099, 124, 129, 132, 147:
PASS1 = -qfeedback -WM,-Omips4 -dn
PASS2 = -WM,-Omips4 -dn, plus: see above

2-pass feedback for 126, 130, 134:
PASS1 = -qfeedback -WM,-Omips4 -dn
PASS2 = -qfeedback2 -WM,-Omips4 -dn, plus: see above
fdo_run1 = %command%
fdo_run2 = %command%
fdo_post2 = ksh -c "cd %benchtop%/src; 'grep '/usr/opt/pyrC/bin/cc' %benchtop%/src/make2.out | tail -1 | sed -e 's/-qfeedback2/-WM,-use_fb2/''"
i.e. use all flags of PASS2 except that "-qfeedback2" is replaced by "-WM,-use_fb2"

For Portability: 134.perl: -DI_TIME -DI_SYS_TIME
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