SPEC CINT95 Results

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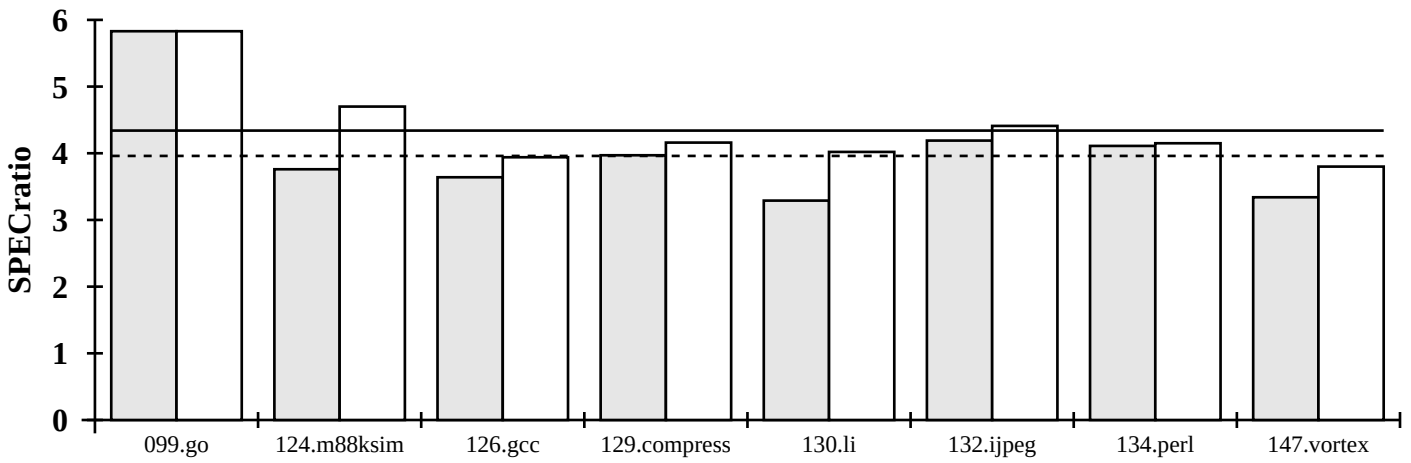
Digital Equipment Corp.
AlphaServer 1000A 4/266

SPECint95 = 4.34

SPECint_base95 = 3.96

SPEC license # 9	Tested By: Digital NH	Test Date: Jan-96	Hardware Avail: Mar-96	Software Avail: Jan-96



Hardware/Software Configuration for:
AlphaServer 1000A 4/266

Hardware

Model Name:	AlphaServer 1000A 4/266
CPU:	266 MHz 21064A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KB(I)+16KB(D) on chip
Secondary Cache:	2MB
Other Cache:	None
Memory:	128MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V3.2D (Rev 41.64)
Compiler:	DEC C V5.0-106/DEC FORTRAN V3.8 KAPF V2.2 (Jan-96)
File System:	UFS
System State:	Multi User
Kernel Extensions:	

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	789	5.83	789	5.83
124.m88ksim	1900	505	3.76	404	4.70
126.gcc	1700	466	3.64	432	3.94
129.compress	1800	453	3.97	432	4.16
130.li	1900	578	3.29	473	4.02
132.ijpeg	2400	573	4.19	545	4.41
134.perl	1900	463	4.11	458	4.15
147.vortex	2700	808	3.34	711	3.80
SPECint_base95 (G. Mean)			3.96		
		SPECint95 (G. Mean)			4.34

Notes/Tuning Information

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Compiler invokation: cc -migrate -std1 (DEC C with -std1 for strict ANSI)
Baseline Optimizations: -O4 -ifo -non_shared -om
Portability Flags: 124.m88ksim: -DLEHOST  134.perl: -DI_TIME   147.vortex: -D__RISC_64__

Peak Optimizations: 099.go, 134.perl: -O4 -ifo -non_shared -om   126.gcc & 130.li: same as go, plus feedback
129.compress, & 147.vortex:  -assume trusted_short_alignment -D_INTRINSICS -D_INLINE_INTRINSICS
-D_FASTMATH -float -fp_reorder -ifo -readonly_strings -O4 -non_shared (with feedback)
124.m88ksim: -ifo -O4 -Wf,-switch,speculate -lexc -non_shared -om (with 1 pass gem feedback only)
132.ijpeg:  -assume trusted_short_alignment -D_INTRINSICS -D_INLINE_INTRINSICS -D_FASTMATH -float
-fp_reorder -ifo -readonly_strings -O4 -Wf,-switch,speculate -lexc -non_shared (with feedback)

Feedback stages: PASS1=-gen_feedback -g1
fdo_pre1=mv %binary% %exename%.orig;pixie -pids %exename%.orig -o %exename%
fdo_run1=%command%
fdo_post1=prof -pixie -feedback ../../src/%exename%.fb %exename%.orig %exename%.orig.Addrs %exename%.orig.Counts.*
PASS2=-feedback $(EXENAME).fb -r -ifo [-Wf,-switch,speculate -lexc]
fdo_pre2=mv %exename% %exename%.rr;ld -o %exename%fb %exename%.rr [-lexc];pixie -pids %exename%fb -o %exename%
fdo_run2=%command%
fdo_post2=ld -om %exename%.rr -o %exename%.rrom [-lexc];prof -pixie -merge %exename%fb.Counts %exename%fb %exename%fb.Addrs
%exename%fb.Counts.*;/usr/lib/cmplrs/cc/om -om_ireorg_feedback %exename%fb -o %binary% %exename%.rrom
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-- Prepared By: --