SPEC CINT95 Results

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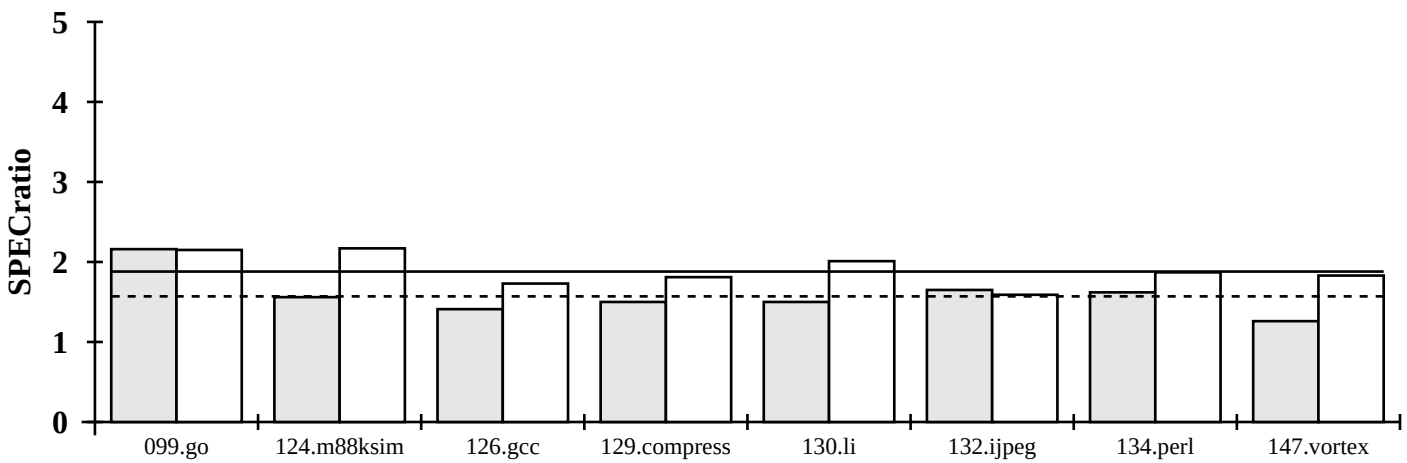
Digital Equipment Corp.
AlphaStation 200 4/100

SPECint95 = 1.88

SPECint_base95 = 1.57

SPEC license # 2	Tested By: Digital NH	Test Date: Jul-96	Hardware Avail: Dec-94	Software Avail: Aug-96



Hardware/Software Configuration for:
AlphaStation 200 4/100

Hardware

Model Name:	AlphaStation 200 4/100
CPU:	100 MHz 21064
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	512KB
Other Cache:	none
Memory:	96MB
Disk Subsystem:	1 x 2GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX V4.0A
Compiler:	DEC C X5.3-148-334R cc.alt/protect_headers.sh
File System:	UFS
System State:	Multi User

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	2133	2.16	2139	2.15
124.m88ksim	1900	1215	1.56	875	2.17
126.gcc	1700	1203	1.41	981	1.73
129.compress	1800	1202	1.50	996	1.81
130.li	1900	1269	1.50	947	2.01
132.ijpeg	2400	1453	1.65	1512	1.59
134.perl	1900	1176	1.62	1019	1.87
147.vortex	2700	2135	1.26	1474	1.83
SPECint_base95 (G. Mean)			1.57		
		SPECint95 (G. Mean)			1.88

Notes/Tuning Information

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Compiler invokation: cc.alt -migrate -std1     Base optimizations: -O4 -ifo -non_shared -om
Portability flags: m88ksim: -DLEHOST; perl: -DI_TIME; vortex: -D__RISC_64__

Peak: all use -ifo -non_shared.  Additional flags:    go: -O4 -non_shared -om    m88ksim: -O4
-inline speed with feedback    gcc: -O4 -inline speed -xtaso_short -taso with feedback    compress: -O4 -tune
ev4 -32data -inline speed -assume whole_program -om -lsys5    li: -O4 -inline speed -xtaso_short
-speculate all -lsys5 -taso with feedback    ijpeg: -O5 -fast -unsigned -inline speed -speculate all -lsys5
with feedback    perl: -O5 -inline speed -lsys5 with feedback pass 2 only    vortex: -inline speed
-speculate all with feedback

Feedback: 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
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
For gcc and li, -taso is added to feedback ld and om commands.
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-- Prepared By: --