SPEC CINT95 Results

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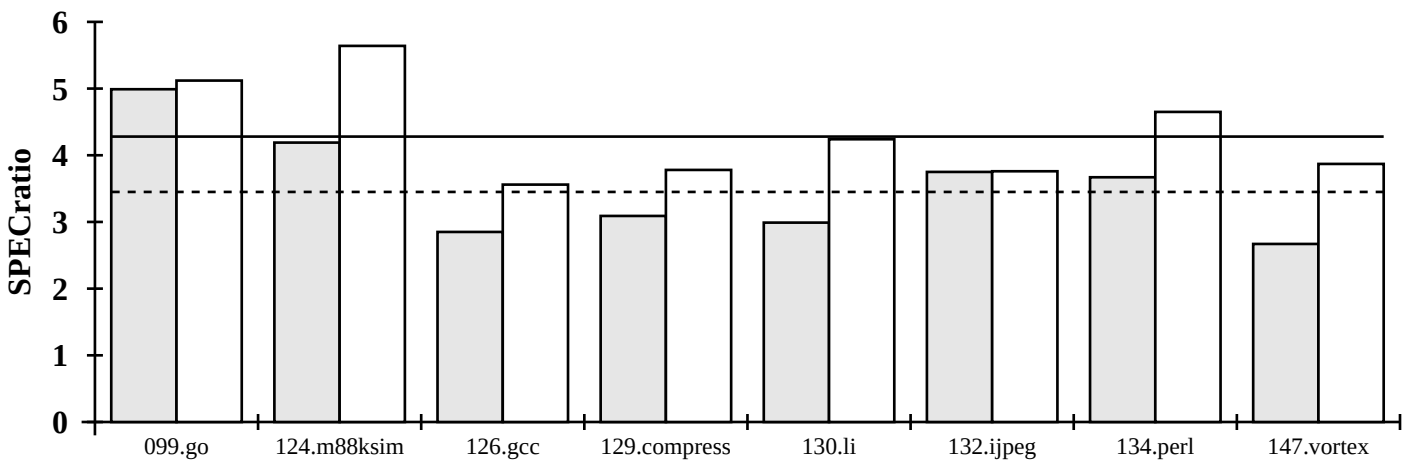
Digital Equipment Corp.
AlphaStation 200 4/233

SPECint95 = 4.28

SPECint_base95 = 3.45

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



Hardware/Software Configuration for:
AlphaStation 200 4/233

Hardware

Model Name:	AlphaStation 200 4/233
CPU:	233 MHz 21064A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KB(I)+16KB(D) on chip
Secondary Cache:	512KB
Other Cache:	none
Memory:	128MB
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 vm-page-free-min=5760

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	921	4.99	899	5.12
124.m88ksim	1900	453	4.19	337	5.64
126.gcc	1700	597	2.85	478	3.56
129.compress	1800	583	3.09	476	3.78
130.li	1900	636	2.99	448	4.24
132.ijpeg	2400	639	3.75	638	3.76
134.perl	1900	517	3.67	409	4.65
147.vortex	2700	1010	2.67	698	3.87
SPECint_base95 (G. Mean)			3.45		
		SPECint95 (G. Mean)			4.28

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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For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org

-- Prepared By: --