SPEC CINT95rate Results

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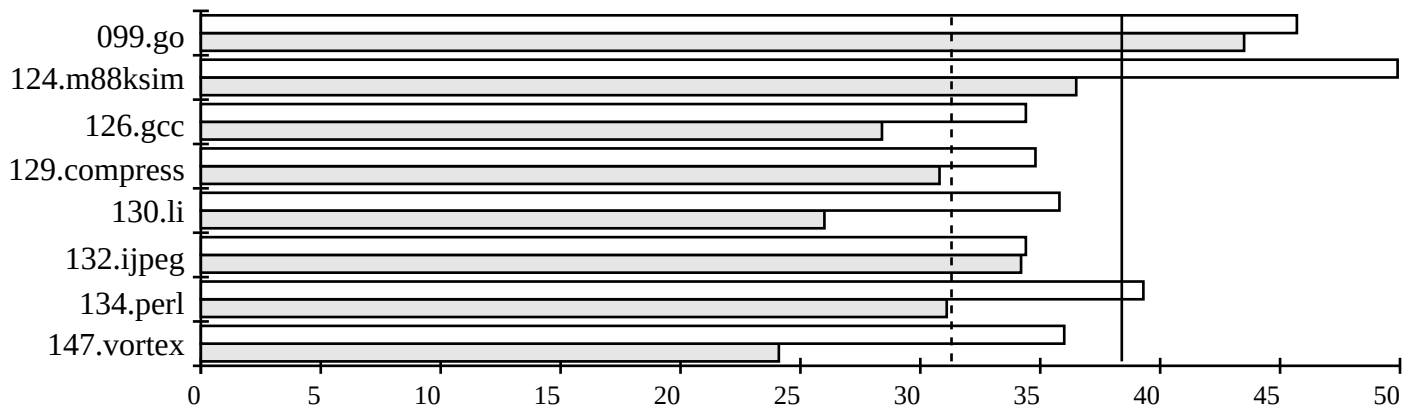
Digital Equipment Corp.
AlphaStation 255/233

SPECint_rate95 = 38.4

SPECint_rate_base95 = 31.3

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



Hardware/Software Configuration for:
AlphaStation 255/233

Hardware

Model Name:	AlphaStation 255/233
CPU:	233 MHz 21064A
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KB(I)+16KB(D) on chip
Secondary Cache:	1MB
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	1	952	43.5	1	906	45.7
124.m88ksim	1	469	36.5	1	343	49.9
126.gcc	1	539	28.4	1	445	34.4
129.compress	1	525	30.8	1	465	34.8
130.li	1	658	26.0	1	477	35.8
132.ijpeg	1	632	34.2	1	628	34.4
134.perl	1	550	31.1	1	435	39.3
147.vortex	1	1010	24.1	1	676	36.0
SPECint_rate_base95 (G. Mean)			31.3			
SPECint_rate95 (G. Mean)						38.4

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: --