SPEC CINT95rate Results

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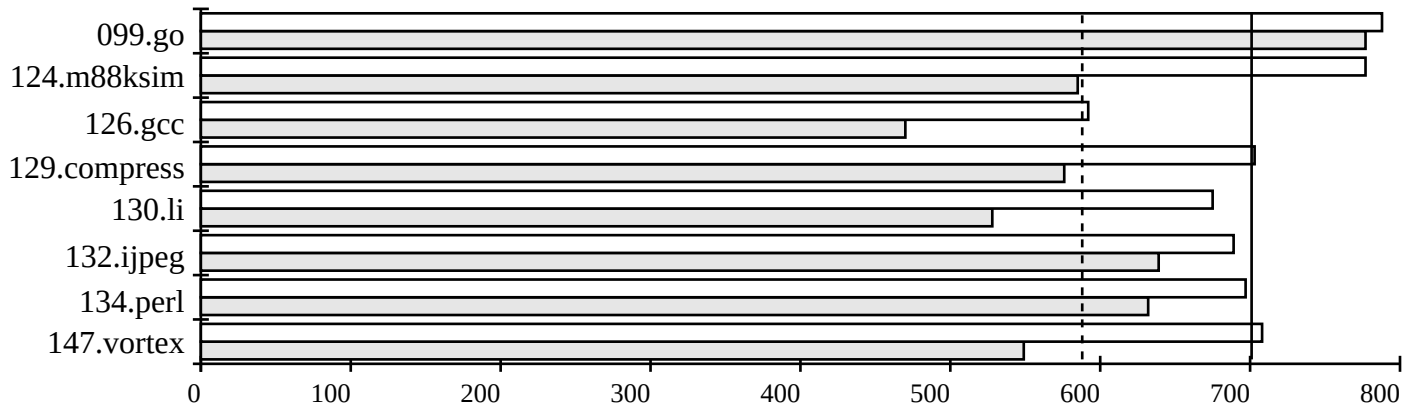
Digital Equipment Corp.
AlphaServer 8200 5/440

SPECint_rate95 = 701

SPECint_rate_base95 = 588

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



Hardware/Software Configuration for:
AlphaServer 8200 5/440

Hardware

Model Name:	AlphaServer 8400 5/440
CPU:	437 MHz 21164
FPU:	Integrated
Number of CPU(s):	6
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB
Other Cache:	4MB
Memory:	1GB
Disk Subsystem:	1 x 2GB 1x 1GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX T4.0A-2
Compiler:	DEC C X5.3-148-334R /usr/lib/cmplrs/cc.alt/protect_headers.sh
File System:	UFS
System State:	Multi User

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	6	320	777	6	315	788
124.m88ksim	6	175	585	6	132	777
126.gcc	6	195	470	6	155	592
129.compress	6	169	576	6	138	703
130.li	6	194	528	6	152	675
132.ijpeg	6	203	639	6	188	689
134.perl	6	162	632	6	147	697
147.vortex	6	266	549	6	206	708
SPECint_rate_base95 (G. Mean)			588			
			SPECint_rate95 (G. Mean)			701

Notes/Tuning Information

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Compiler: cc.alt -migrate -std1   Base optimizations: -O5 -arch ev56 -non_shared -om
Portability flags: m88ksim: -DLEHOST   perl: -DI_TIME   vortex: -D__RISC_64__

Peak flags: all use -ifo -non_shared    go: -O4 -inline speed -om    m88ksim: -O5 -speculate all -inline speed
with feedback    gcc: -O5 -inline speed -arch ev56 -xtaso_short with feedback    compress: -O5 -tune ev5 -32data
-assume whole_program -arch ev56 -inline speed -om -lsys5    li: -O5 -inline speed -xtaso_short -speculate all
-lsys5 with feedback    ijpeg: -O5 -fast -unsigned -inline speed -arch ev56 -speculate all -lsys5 with feedback
perl: -O5 -inline speed -arch ev56 -lsys5 with feedback pass-2 only    vortex: -O5 -fast -inline speed 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 -ifo
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
gcc and li add -taso to feedback commands om and ld
```

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-- Prepared By: --