SPEC CINT95rate Results

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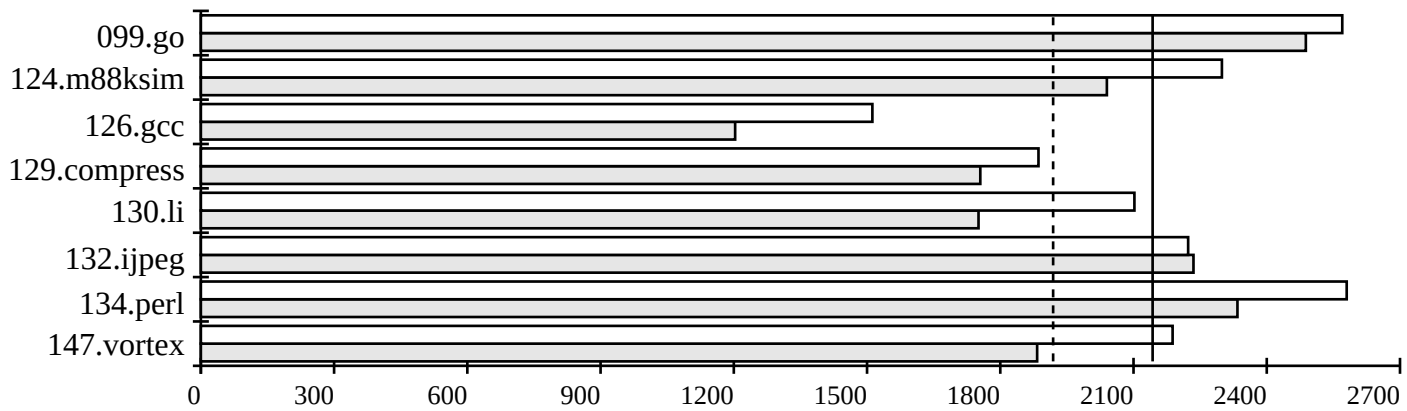
Digital Equipment Corp.
AlphaServer 8400 5/625

SPECint_rate95 = 2143

SPECint_rate_base95 = 1919

SPEC license # 2	Tested By: Digital NH	Test Date: Sep-97	Hardware Avail: Nov-97	Software Avail: Dec-97



Hardware/Software Configuration for:
AlphaServer 8400 5/625

Hardware

Model Name:	AlphaServer 8400 5/625
CPU:	612 MHz 21164
FPU:	Integrated
Number of CPU(s):	14
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB on chip
Other Cache:	4MB
Memory:	4GB (1x4GB)
Disk Subsystem:	4x4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0D-11
Compiler:	DEC C T5.7-564-3678F protect_headers_setup.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	14	233	2488	14	226	2570
124.m88ksim	14	117	2040	14	104	2299
126.gcc	14	178	1203	14	142	1512
129.compress	14	129	1755	14	120	1886
130.li	14	137	1751	14	114	2102
132.ijpeg	14	135	2235	14	136	2223
134.perl	14	103	2334	14	93	2580
147.vortex	14	181	1883	14	155	2188
SPECint_rate_base95 (G. Mean)			1919			
			SPECint_rate95 (G. Mean)			2143

Notes/Tuning Information

```
Compiler: cc.alt -std1    Base: -O4 -arch ev56 -non_shared with om feedback
Portability:  m88ksim: -DLEHOST  perl: -DI_TIME  vortex: -D__RISC_64__

Peak: all: -non_shared -ifo -inline speed      go: -O3, om fb
m88ksim:  -O4 -speculate all, 2-pass fb       gcc: -O4 -arch ev56 -xtaso_short, 2-pass fb
perl:     -O4 -arch ev56 -lsys5, om fb     vortex: -O4 -fast -speculate all, 2-pass fb
compress: -O4 -arch ev56 -assume whole_program -lsys5, om fb
li:       -O4 -xtaso_short -speculate all -lsys5, 2-pass fb
ijpeg:    -O4 -fast -unsigned -arch ev56 -speculate all -lsys5, 2-pass fb

Om feedback: PASS1 = -prof_gen -prof_dir /tmp/prof
PASS2 =  -prof_use_om_feedback -prof_dir /tmp/prof

2-pass fb: PASS1 above w/ -gen_feedback; PASS2= -prof_use_feedback -prof_dir /tmp/prof -r
fdo_pre2  = mv %exename% rr; ld -o fb rr -lexc; pixie -pids fb -o %exename%
fdo_run2  = %command%
fdo_post2 = ld -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs fb.Counts.*;
/usr/lib/cmplrs/cc.alt/om -om_split_procedures -om_ireorg_feedback fb -o %binary% rrom
gcc and li add -taso to feedback ld commands.
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

-- Prepared By: --