SPEC CINT95rate Results

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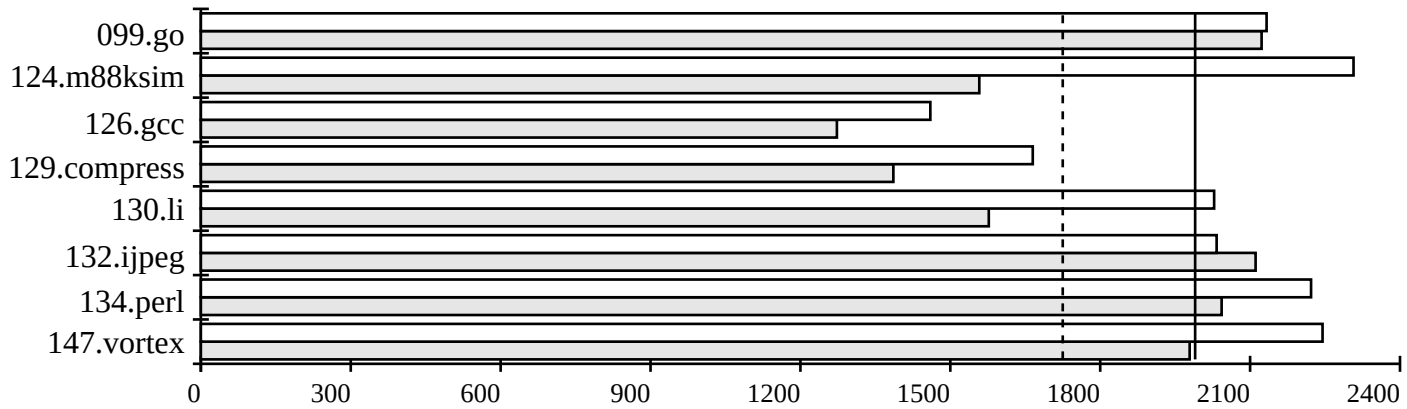
Compaq Computer Corporation
Digital AlphaServer 8400 6/575

SPECint_rate95 = 1990

SPECint_rate_base95 = 1725

SPEC license # 2	Tested By: Digital NH	Test Date: Jun-98	Hardware Avail: Nov-98	Software Avail: Oct-98



SPECrate

Hardware/Software Configuration for:
Digital AlphaServer 8400 6/575

Hardware

Model Name:	Digital AlphaServer 8400 6/575
CPU:	575 MHz 21264
FPU:	Integrated
Number of CPU(s):	8
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	512MB (4x128MB)
Disk Subsystem:	1x4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0E-5
Compiler:	DEC C T5.7-566-367A7 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	8	156	2123	8	155	2133
124.m88ksim	8	87.8	1558	8	59	2307
126.gcc	8	96.2	1273	8	84	1460
129.compress	8	93.5	1386	8	78	1665
130.li	8	86.8	1577	8	67	2028
132.ijpeg	8	81.9	2111	8	85	2033
134.perl	8	67.0	2043	8	62	2222
147.vortex	8	98.2	1979	8	87	2245
SPECint_rate_base95 (G. Mean)			1725			
			SPECint_rate95 (G. Mean)			1990

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.
```

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-- Prepared By: --