SPEC CINT95rate Results

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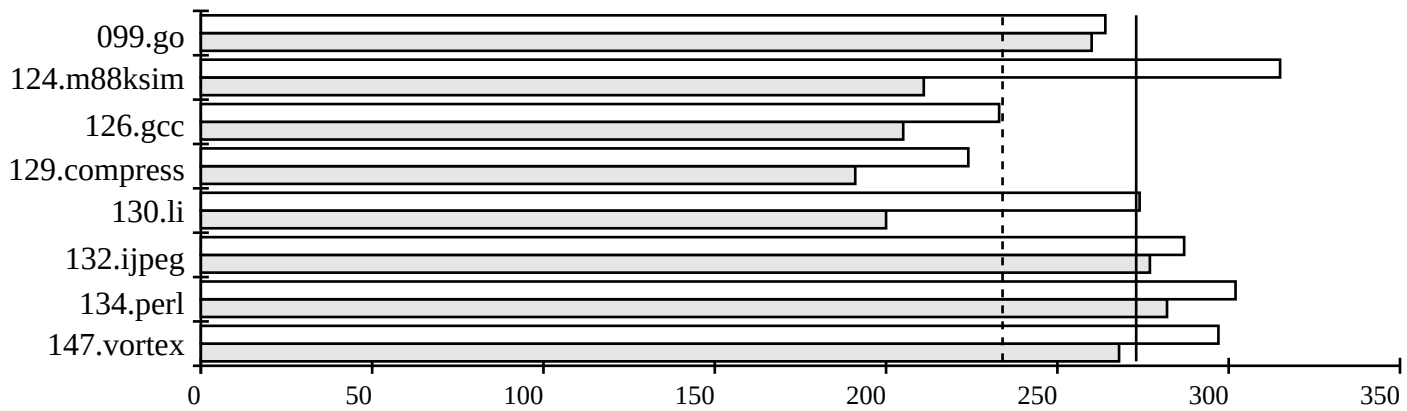
Compaq Computer Corporation
Digital AlphaServer 8400 6/575

SPECint_rate95 = 273

SPECint_rate_base95 = 234

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



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):	1
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 X6.0-181-4086T 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	1	159	260	1	157	264
124.m88ksim	1	81.1	211	1	54	315
126.gcc	1	74.8	205	1	66	233
129.compress	1	84.6	191	1	72	224
130.li	1	85.6	200	1	62	274
132.ijpeg	1	77.9	277	1	75	287
134.perl	1	60.6	282	1	57	302
147.vortex	1	90.6	268	1	82	297
SPECint_rate_base95 (G. Mean)			234			
			SPECint_rate95 (G. Mean)			273

Notes/Tuning Information

```
Compiler:    cc.alt -std1        Base tuning: -O4 -arch ev6 -non_shared with om fb
Portability: m88ksim: -DLEHOST   perl: -DI_TIME   vortex: -D__RISC_64__
Peak:       -ifo -arch ev6 -non_shared -inline speed plus:
go:         -O3 with om fb                m88ksim: -O4 -speculate all with compiler fb
perl:       -O4 -lsys5 with compiler fb    vortex: -O4 -fast -speculate all with 2-pass fb
gcc:        -O4 -xtaso_short -noansi_alias with 2-pass fb
compress:   -O4 -assume whole_program -lsys5 with compiler fb
li:         -O4 -xtaso_short -speculate all -lsys5 with compiler fb
ijpeg:      -O4 -fast -unsigned -speculate all -lsys5 with compiler fb

om fb: PASS1= -prof_gen -prof_dir /tmp/prof    PASS2=  -prof_use_om_feedback -prof_dir /tmp/prof

compiler fb: PASS1 same as om fb plus -gen_feedback   PASS2 = -prof_use_feedback -prof_dir /tmp/prof

2-pass fb:  PASS1 same as compiler fb   PASS2 = -prof_use_feedback -prof_dir /tmp/prof -r
fdo_pre2  = mv %exename% rr; ld [-taso] -o fb rr -lexc; pixie -pids fb -o %exename%
fdo_run2  = %command%
fdo_post2 = ld [-taso] -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs fb.Counts.*;
/usr/lib/cmplrs/cc.alt/om [-taso] -om_split_procedures -om_ireorg_feedback fb -o %binary% rrom
[Only gcc uses -taso in the lines just above]
```

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: --