SPEC CINT95rate Results

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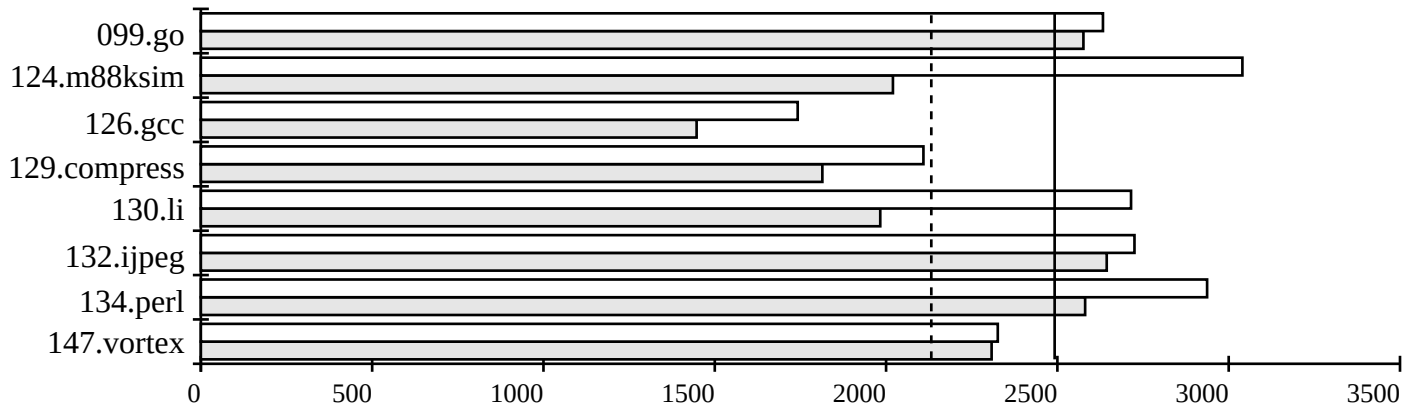
Compaq Computer Corporation
Digital AlphaServer 8400 6/575

SPECint_rate95 = 2492

SPECint_rate_base95 = 2132

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):	10
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	8GB (2x4GB)
Disk Subsystem:	3x4GB
Other Hardware:	Ethernet

Software

Operating System:	Digital UNIX X4.0E-4
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	10	161	2576	10	157	2633
124.m88ksim	10	84.7	2020	10	56	3040
126.gcc	10	106	1447	10	88	1742
129.compress	10	89.3	1814	10	77	2109
130.li	10	86.2	1983	10	63	2715
132.ijpeg	10	81.7	2644	10	79	2725
134.perl	10	66.3	2581	10	58	2937
147.vortex	10	105	2308	10	104	2326
SPECint_rate_base95 (G. Mean)			2132			
			SPECint_rate95 (G. Mean)			2492

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]
```

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-- Prepared By: --