SPEC CINT95rate Results

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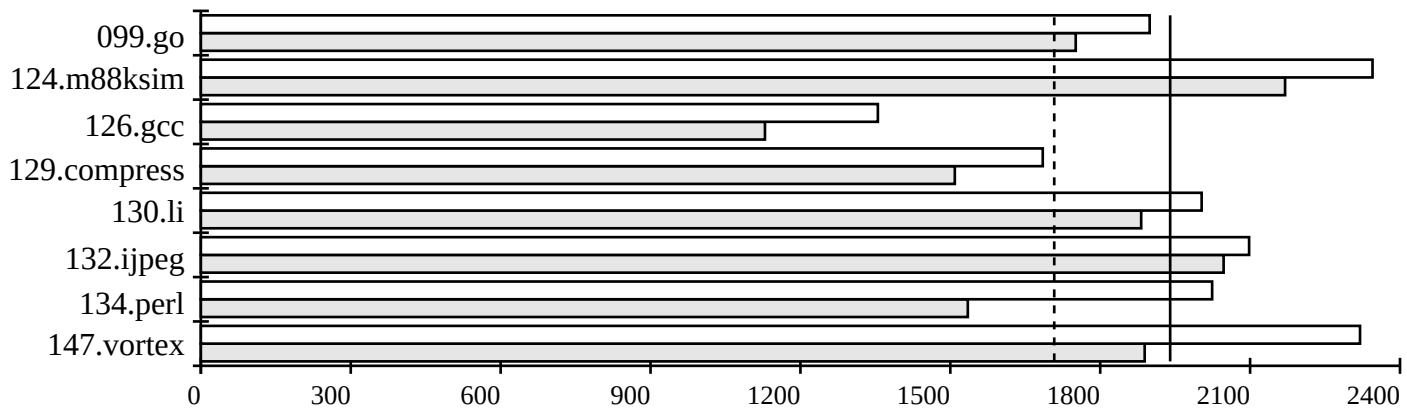
Compaq Computer Corporation
AlphaServer HPC160 Model 6/500

SPECint_rate95 = 1940

SPECint_rate_base95 = 1708

SPEC license # 2	Tested By: Compaq	Test Date: Aug-99	Hardware Avail: Aug-99	Software Avail: Sep-99



SPECrate

Hardware/Software Configuration for:
AlphaServer HPC160 Model 6/500

Hardware

Model Name:	AlphaServer HPC160 Model 6/500
CPU:	500 MHz 21264
FPU:	Integrated
Number of CPU(s):	8 (2 nodes, 4 cpus per node)
Primary Cache:	64KB(I)+64KB(D) on chip
Secondary Cache:	4MB
Other Cache:	none
Memory:	4GB (2GB per node)
Disk Subsystem:	24x18GB
Other Hardware:	Ethernet,1 HSZ70/KZPBA Controller Memory Channel

Software

Operating System:	Compaq Tru64 UNIX V4.0F
Compiler:	Compaq C V6.1-109-4296F protect_headers_setup.sh cc.alt/om 27-Jan-1999
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	189	1751	8	174	1899
124.m88ksim	8	63.0	2170	8	58	2345
126.gcc	8	108	1129	8	90	1355
129.compress	8	85.9	1509	8	77	1685
130.li	8	72.7	1882	8	68	2003
132.ijpeg	8	84.4	2047	8	82	2098
134.perl	8	89.1	1535	8	68	2024
147.vortex	8	103	1889	8	84	2320
SPECint_rate_base95 (G. Mean)			1708			
			SPECint_rate95 (G. Mean)			1940

Notes/Tuning Information

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Compiler invocation: cc -std1      Base tuning: -fast -arch ev6 -O4 + GemFB
go:        -g3 -arch ev6 -fast -inline speed -assume whole_program -non_shared +OmFB
m88ksim:   -g3 -arch ev6 -O4 -ifo -unroll 16 -non_shared +GemFB
gcc:       -g1 -arch ev6 -O4 -ifo -xtaso_short -noansi_alias -non_shared +BothFB
compress:  -g3 -arch ev6 -fast -O4 -assume whole_program -non_shared -lsys5 +GemFB
li:        -g1 -arch ev6 -fast -O4 -xtaso_short -speculate all -non_shared -lsys5 +GemFB
ijpeg:     -g3 -arch ev6 -fast -O4 -speculate all -unroll 8 -non_shared -lsys5 +GemFB
perl:      -g3 -arch ev6 -O4 -ifo -non_shared +GemFB
vortex:    -g3 -arch ev6 -fast -O4 -speculate all -non_shared +BothFB
Portability: m88ksim: -DLEHOST; perl: -DI_TIME;  vortex: -D__RISC_64__
GemFB:  PASS1=-prof_gen_noopt -prof_dir /tmp/prof PASS2=-prof_use_feedback    -prof_dir /tmp/prof
OmFB:   PASS1=-prof_gen       -prof_dir /tmp/prof PASS2=-prof_use_om_feedback -prof_dir /tmp/prof
.       fdo_pre1  = rm -f /tmp/prof/*Counts*
BothFB: PASS1=as in GemFB      PASS2=as in GemFB plus -r       fdo_run2  = %command%
.       fdo_pre2  = mv %exename% rr; ld [-taso] -o fb rr -lexc; pixie -pids fb -o %exename%
.       fdo_post2 = ld [-taso] -om rr -o rrom -lexc; prof -pixie -merge fb.Counts fb fb.Addrs
.            fb.Counts.*; /usr/lib/cmplrs/cc.dtk/om [-taso] -om_split_procedures
.            -om_ireorg_feedback fb -o %binary% rrom; rm -Rf /tmp/prof/*
.       [only gcc uses -taso in BothFB]
remote runs: submit00n=rsh sysname "cd %dir%; %command% && exit 0"
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-- Prepared By: --