SPEC CINT95rate Results

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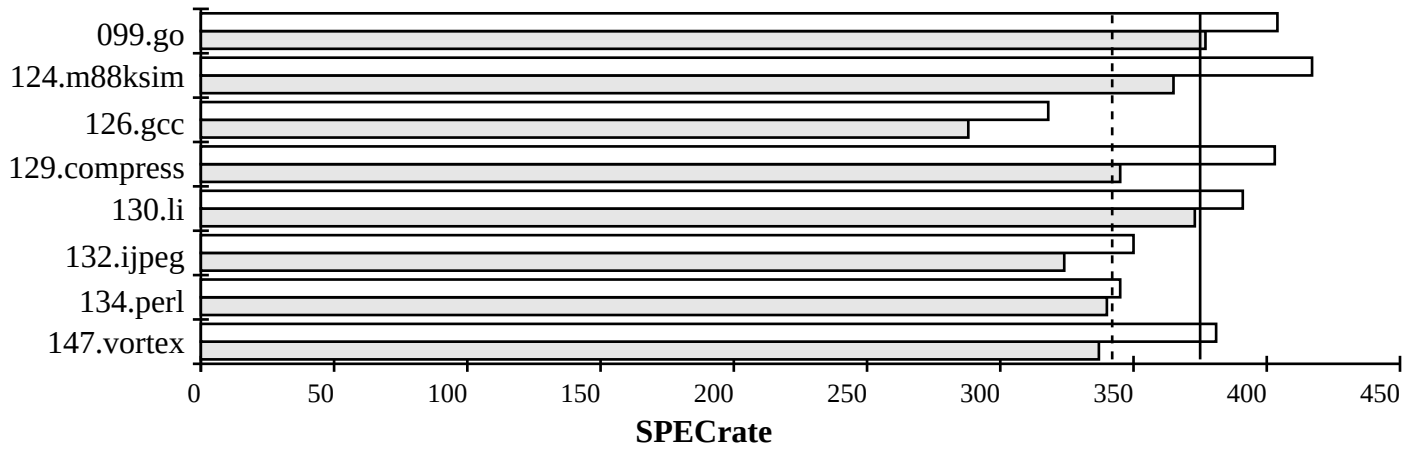
Hewlett-Packard
HP 9000 Model K450 4-CPU

SPECint_rate95 =	375
SPECint_rate_base95 =	342

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Aug-96	Hardware Avail: Sep-96	Software Avail: Sep-96



Hardware/Software Configuration for:
HP 9000 Model K450 4-CPU

Hardware

Model Name:	HP 9000 Model K450 4-CPU
CPU:	160 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1 Fast/Wide SCSI-2 1.0 GB
Other Hardware:	None

Software

Operating System:	HP-UX B.10.20
Compiler:	HP92453-01 A.10.32.03 HP C Compiler
File System:	HP-UX
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	4	439	377	4	410	404
124.m88ksim	4	188	365	4	164	417
126.gcc	4	213	288	4	193	318
129.compress	4	188	345	4	161	403
130.li	4	183	373	4	175	391
132.ijpeg	4	267	324	4	247	350
134.perl	4	201	340	4	198	345
147.vortex	4	288	337	4	255	381
SPECint_rate_base95 (G. Mean)			342			
			SPECint_rate95 (G. Mean)			375

Notes/Tuning Information

```
Portability Flags (base & peak): All: -Ae

Base Flags:
All: fastmem.o +Oall +I/+P
Linker Flag:  All: -Wl,-aarchive

Peak Flags:
All: +ESfic +ESlit +O4 +I/+P
099: +Oentrysched +Olibcalls +nofastaccess +Onolimit +Onoloop_unroll +Optrs_strongly_typed +Ostaticprediction
124: +Oaggressive +Onoparmsoverlap +Optrs_strongly_typed +Ostaticprediction
126: -DSPEC +Olibcalls +Onolimit +Ostaticprediction
129: +Odataprefetch +Olibcalls +Onofltacc +Onolimit +Optrs_strongly_typed +Owhole_program_mode
130: -lm +ESsfc +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Onoptrs_to_globals +Owhole_program_mode
132: +ESsfc +Odataprefetch +Olibcalls +Onolimit +Optrs_strongly_typed +Owhole_program_mode
134: fastmem.o -lm +Olibcalls +Onolimit +Owhole_program_mode
147: fastmem.o -lm +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Optrs_strongly_typed +Ostaticprediction
Linker Flag:  All: -Wl,-aarchive

Note: The +I/+P indicates the use of profile based optimization.
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