SPEC CINT95rate Results

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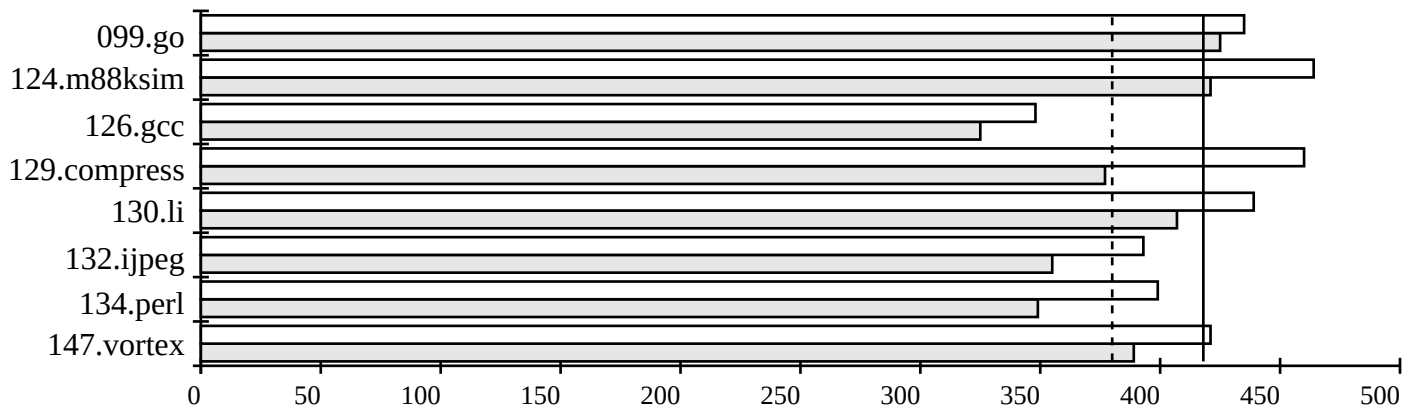
Hewlett-Packard
HP 9000 Model K460 4-CPU

SPECint_rate95 =	418
SPECint_rate_base95 =	380

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



Hardware/Software Configuration for:
HP 9000 Model K460 4-CPU

Hardware

Model Name:	HP 9000 Model K460 4-CPU
CPU:	180 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	1MBI+1MBD off-chip per CPU
Secondary Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 Fast/Wide SCSI-2 1.0 GB
Other Hardware:	Ethernet

Software

Operating System:	HP-UX B.10.20 IC11
Compiler:	HP C HP92453-01 D.10.01B5
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	389	425	4	380	435
124.m88ksim	4	163	421	4	147	464
126.gcc	4	188	325	4	176	348
129.compress	4	172	377	4	141	460
130.li	4	168	407	4	156	439
132.ijpeg	4	243	355	4	220	393
134.perl	4	196	349	4	171	399
147.vortex	4	250	389	4	231	421
SPECint_rate_base95 (G. Mean)			380			
			SPECint_rate95 (G. Mean)			418

Notes/Tuning Information

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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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