SPEC CINT95rate Results

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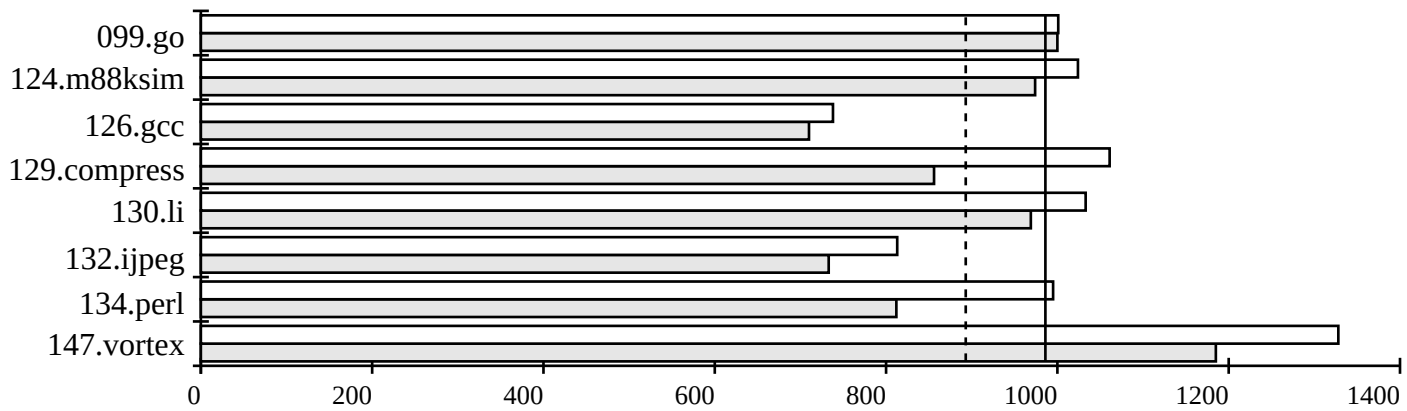
Hewlett-Packard
HP 9000 Model N4000

SPECint_rate95 = 986

SPECint_rate_base95 = 893

SPEC license # 3	Tested By: HP Richardson, TX	Test Date: Apr-99	Hardware Avail: Aug-99	Software Avail: May-99



Hardware/Software Configuration for:
HP 9000 Model N4000

Hardware

Model Name:	HP 9000 Model N4000
CPU:	360 MHz PA-RISC 8500
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	512KBI+1MBD
Secondary Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2 9GB Ultra-SCSI 7200 rpm
Other Hardware:	None

Software

Operating System:	HP-UX B.11.00
Compiler:	HP92453-01 A.11.01.00 HP C Compiler
File System:	HP-UX VxFS
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	4	166	1000	4	165	1001
124.m88ksim	4	70.2	974	4	67	1024
126.gcc	4	86.2	710	4	83	738
129.compress	4	75.7	856	4	61	1061
130.li	4	70.6	969	4	66	1033
132.ijpeg	4	118	733	4	106	813
134.perl	4	84.2	812	4	69	995
147.vortex	4	82.0	1185	4	73	1328
SPECint_rate_base95 (G. Mean)			893			
SPECint_rate95 (G. Mean)						986

Notes/Tuning Information

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Portability flag: -Ae

Base flags:
All: fastmem.o +Oall +I/+P +Ostaticprediction

Peak flags:
All:  +ESfic +ESlit +I/+P +Ostaticprediction
Linker Flag: -Wl,-aarchive
099: +O4 +Oentrysched +Olibcalls +Onolimit +Onoloopunroll +Optrs_strongly_typed fastmem.o
124: +Oall +Onoparmsoverlap +Optrs_strongly_typed
126: +O4 +Odataprefetch +Olibcalls +Onolimit +Optrs_ansi -DSPEC fastmem.o
129: +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
130: +ESsfc +Oall +Oinline_budget=400 +Onoptrs_to_globals +Owhole_program_mode -lm
132: +ESsfc +Oall +Odataprefetch +Optrs_strongly_typed +Owhole_program_mode
134: +ESsfc +O4 -Ac +Oinline_budget=70 +Olibcalls +Onolimit +Owhole_program_mode -lm fastmem.o
147: +Oall +Oinline_budget=800 +Optrs_strongly_typed -lm fastmem.o
Note: +I/+P indicates use of profile-based optimization
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For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@spec.org
http://www.spec.org/

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Prepared By: Hewlett-Packard