SPEC CINT95rate Results

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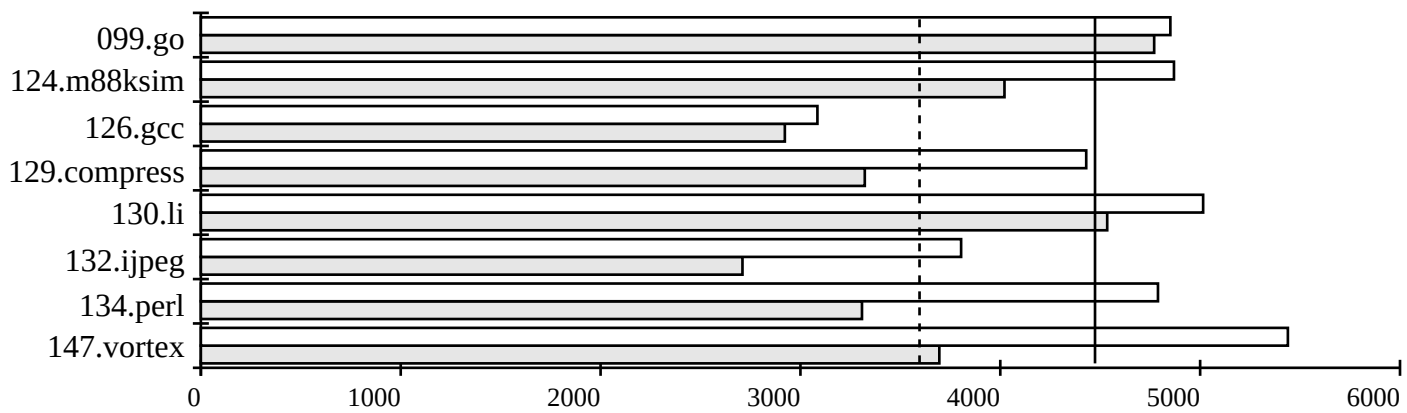
Hitachi
HITACHI 9000V Series Model VT850

SPECint_rate95 = 4474

SPECint_rate_base95 = 3596

SPEC license # 35	Tested By: Hitachi, Ltd.	Test Date: Nov-1999	Hardware Avail: Sep-1999	Software Avail: Sep-1999



Hardware/Software Configuration for:
HITACHI 9000V Series Model VT850

Hardware

Model Name:	HITACHI 9000V Series Model VT850
CPU:	440MHz PA-RISC PA-8500
FPU:	Integrated
Number of CPU(s):	16
Primary Cache:	512KBI+1MBD
Secondary Cache:	64MB Unified
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2x9.1GB(IBM DGHS09Y) 4.3GB(SEAGATE ST34371W) 4.3GB(SEAGATE ST34572WC)
Other Hardware:	None

Software

Operating System:	HP-UX B.11.00
Compiler:	HP C/ANSI C Developer's Bundle for HP-UX 11.00 (S800) B.11.01.07
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	16	139	4770	16	137	4851
124.m88ksim	16	68.0	4021	16	56	4869
126.gcc	16	83.8	2922	16	79	3085
129.compress	16	78.0	3322	16	59	4430
130.li	16	60.3	4535	16	55	5015
132.ijpeg	16	128	2710	16	91	3804
134.perl	16	82.7	3308	16	57	4789
147.vortex	16	105	3695	16	71	5439
SPECint_rate_base95 (G. Mean)			3596			
			SPECint_rate95 (G. Mean)			4474

Notes/Tuning Information

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Portability flag:
124: -D_MATH_INCLUDED

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

Peak flags:
All: +DA2.0 +DSPA8500 +I/+P +ESlit
Linker Flag: All: -Wl,-aarchive
099: +O4 +Oentrysched +Olibcalls +Onolimit +Onoloop_unroll +Optrs_strongly_typed +Ostaticprediction
124: +ESfic +Oall +Onoparmsoverlap +Optrs_strongly_typed +Ostaticprediction
126: +ESfic +O4 +Odataprefetch +Olibcalls +Onolimit +Optrs_ansi +Ostaticprediction -DSPEC fastmem.o -Wl,+pd,16K
129: +ESfic +Oall +Odataprefetch +Optrs_strongly_typed +Ostaticprediction +Owhole_program_mode
130: +ESsfc +Oall +Oinline_budget=400 +Onoptrs_to_globals +Ostaticprediction +Owhole_program_mode -lm
132: +ESfic +ESsfc +Oall +Odataprefetch +Ostaticprediction +Owhole_program_mode
134: +ESfic +ESsfc +O4 +Oinline_budget=70 +Olibcalls +Onolimit +Ostaticprediction +Owhole_program_mode -Ac -lm
147: +Oall +Oinline_budget=800 +Optrs_strongly_typed +Ostaticprediction -lm fastmem.o -Wl,+pd,4M
Note: +I/+P indicates use of profile-based optimization
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