SPEC CFP95 Results

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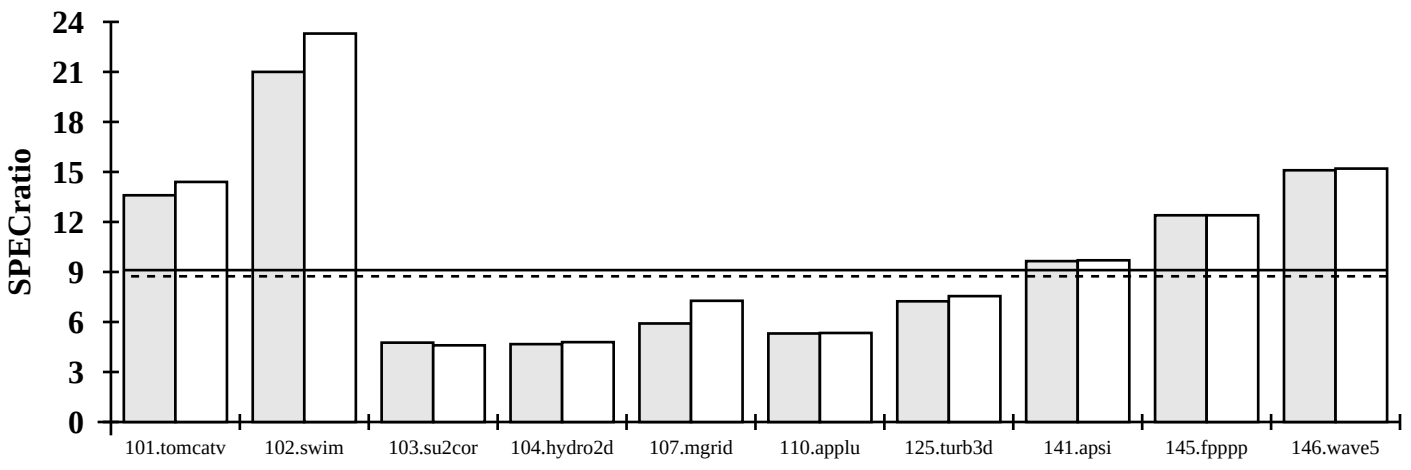
Hewlett-Packard
HP 9000 Model K420

SPECfp95 = 9.11

SPECfp_base95 = 8.74

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



Hardware/Software Configuration for:
HP 9000 Model K420

Hardware

Model Name:	HP 9000 Model K420
CPU:	120 MHz PA-RISC 7200
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 Fast/Wide SCSI-2 1.0 GB
Other Hardware:	None

Software

Operating System:	HP-UX B.10.20
Compiler:	HP FORTRAN B3906AA B.10.20.01
File System:	HP-UX
System State:	Multi-user

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	271	13.6	258	14.4
102.swim	8600	409	21.0	369	23.3
103.su2cor	1400	294	4.76	304	4.60
104.hydro2d	2400	514	4.67	501	4.79
107.mgrid	2500	423	5.91	344	7.27
110.applu	2200	414	5.31	412	5.34
125.turb3d	4100	567	7.24	543	7.55
141.apsi	2100	218	9.65	217	9.70
145.fpppp	9600	777	12.4	777	12.4
146.wave5	3000	198	15.1	198	15.2
SPECfp_base95 (G. Mean)			8.74		
		SPECfp95 (G. Mean)			9.11

Notes/Tuning Information

```
Base Flags:
All:  +Oall
Linker Flag:  All: -Wl, -a,archive

Peak Flags:
101: +Oall +Oloop_unroll +Onolimit +Oregionsched +Ovectorize +DC7200 +I/+P
102: +Oall +Ocache_pad_common +Odataprefetch +Ofltacc +Oinline_budget=256000 +Olibcalls +Oloop_transform +DC7200 +I/+P
+Onofastaccess +Onoinitcheck +Onoloop_unroll +Onosize +Oregionsched +I/+P
103: +Oall +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit +I/+P
104: +Oall +Oloop_unroll +Owhole_program_mode +I/+P
107: +O3 +Oinline_budget=256000 +Oloop_unroll +Onofltacc +Onolimit
110: +Oall +Onofastaccess
125: +O3 +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll +DC7200
141: +Oall +Onofastaccess +DC7200
145: +Oall
146: +O3 +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag:  All: -Wl, -a,archive

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