SPEC CFP95 Results

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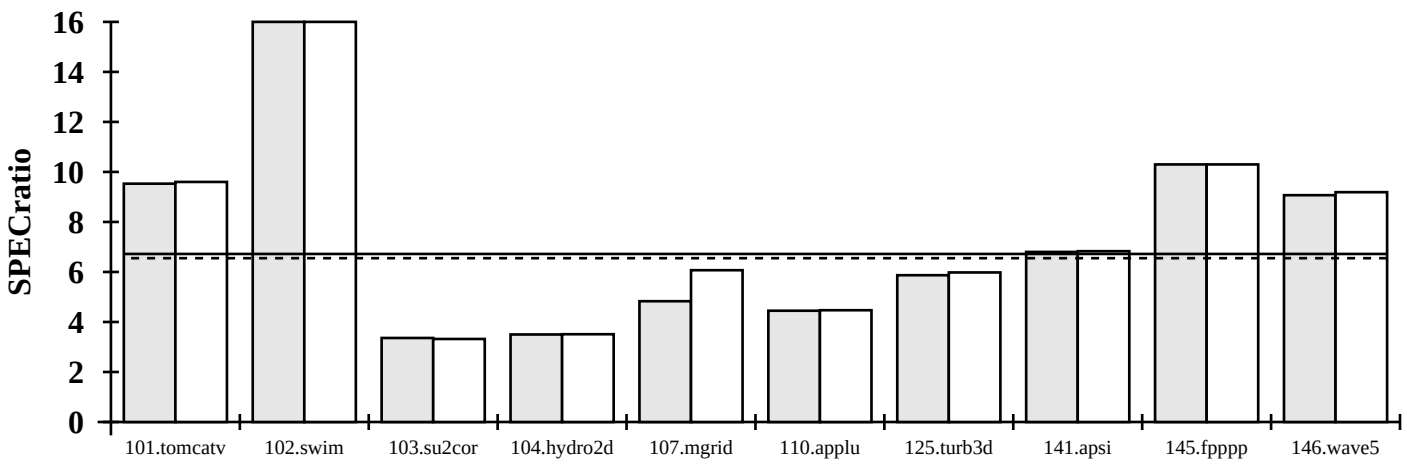
Hewlett-Packard
HP 9000 Model D220

SPECfp95 = 6.72

SPECfp_base95 = 6.55

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Nov-96	Hardware Avail: Mar-97	Software Avail: Jul-96



Hardware/Software Configuration for:
HP 9000 Model D220

Hardware

Model Name:	HP 9000 Model D220
CPU:	132 MHz PA-RISC 7300LC
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	64KBI+64KD on-chip
Secondary Cache:	1MB(I+D) off-chip
Other Cache:	None
Memory:	128MB
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	388	9.53	386	9.60
102.swim	8600	537	16.0	539	16.0
103.su2cor	1400	417	3.36	422	3.32
104.hydro2d	2400	686	3.50	683	3.51
107.mgrid	2500	518	4.83	412	6.07
110.applu	2200	494	4.45	492	4.47
125.turb3d	4100	698	5.87	685	5.98
141.apsi	2100	309	6.80	308	6.83
145.fpppp	9600	930	10.3	930	10.3
146.wave5	3000	331	9.07	327	9.19
SPECfp_base95 (G. Mean)			6.55		
		SPECfp95 (G. Mean)			6.72

Notes/Tuning Information

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

Peak Flags:
101: +Oall +Oloop_unroll +Onolimit +Oregionsched +Ovectorize +I/+P
102: +Oall +Ocache_pad_common +Ofltacc +Oinline_budget=256000 +Olibcalls +Oloop_transform
.    +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
141: +Oall +Onofastaccess
145: +Oall
146: +O3 +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag:  All: -Wl, -aarchive

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