SPEC CFP95 Results

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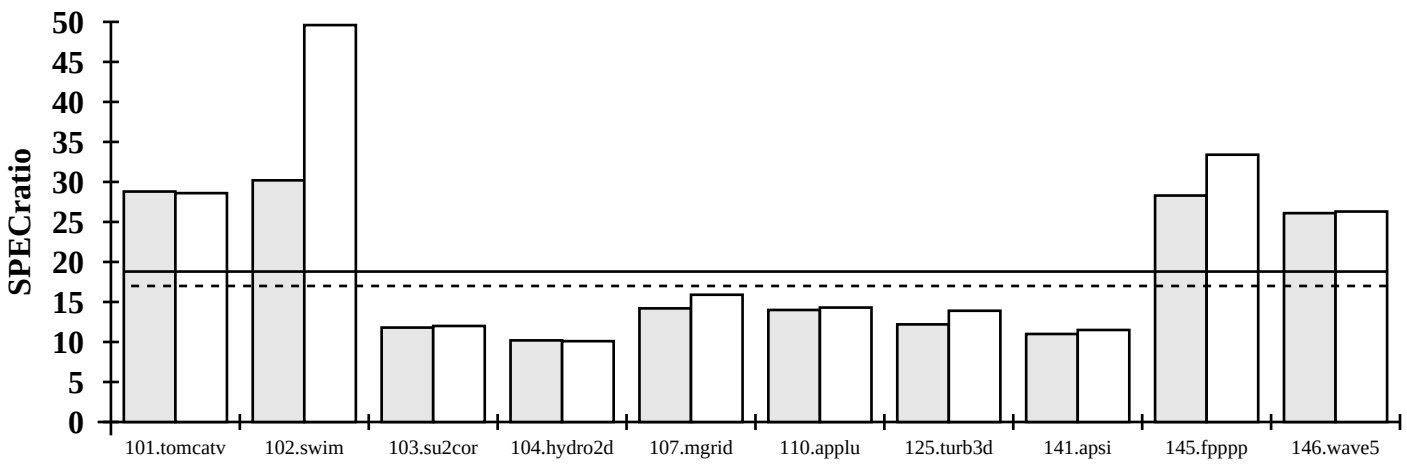
Hewlett-Packard
HP 9000 Model K450

SPECfp95 = 18.8

SPECfp_base95 = 17.0

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



Hardware/Software Configuration for:
HP 9000 Model K450

Hardware

Model Name:	HP 9000 Model K450
CPU:	160 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	2GB
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	129	28.8	129	28.6
102.swim	8600	285	30.2	173	49.6
103.su2cor	1400	119	11.8	117	12.0
104.hydro2d	2400	236	10.2	237	10.1
107.mgrid	2500	176	14.2	157	15.9
110.applu	2200	157	14.0	154	14.3
125.turb3d	4100	336	12.2	294	13.9
141.apsi	2100	191	11.0	183	11.5
145.fpppp	9600	339	28.3	288	33.4
146.wave5	3000	115	26.1	114	26.3
SPECfp_base95 (G. Mean)			17.0		
		SPECfp95 (G. Mean)			18.8

Notes/Tuning Information

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

Peak Flags:
101: +O3 +Odataprefetch +Oloop_unroll +Onolimit +Oregionsched +Ovectorize
102: +O4 +Ocachepadcommon +Odataprefetch +Oloop_unroll
103: +O2 +Odataprefetch +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
104: +Oall +Odataprefetch +Oloop_unroll +Owhole_program_mode
107: +O3 +Odataprefetch +Oinline_budget=1000000 +Oloop_unroll +Onofltacc +Onolimit
110: +O3 +Odataprefetch +Oloop_unroll +Onofltacc
125: +O3 +Ocachepadcommon +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll
141: +Oall
145: +O4 +Oinline_budget=1000000 +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll +Ovectorize +I +P
146: +O3 +Odataprefetch +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag:  All: -Wl,-aarchive

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