SPEC CFP95 Results

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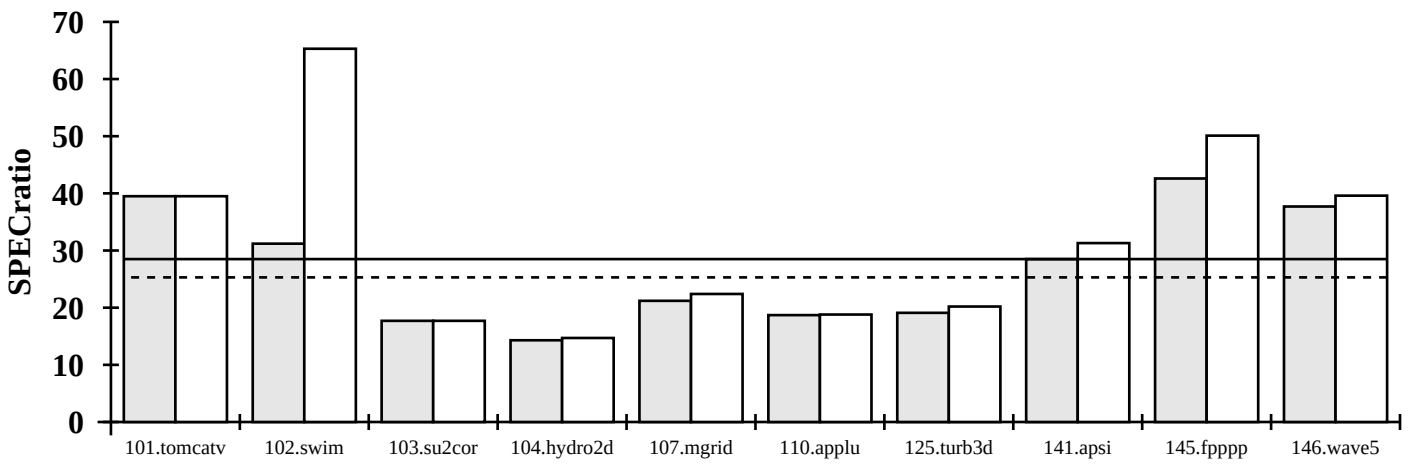
Hewlett-Packard
HP 9000 Model K580 1-CPU

SPECfp95 = 28.5

SPECfp_base95 = 25.3

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Jan-98	Hardware Avail: Nov-97	Software Avail: Sep-97



Hardware/Software Configuration for:
HP 9000 Model K580 1-CPU

Hardware

Model Name:	HP 9000 Model K580 1-CPU
CPU:	240MHz PA-RISC 8200
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	2MBI+2MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2 FWD SCSI 2.0GB
Other Hardware:	None

Software

Operating System:	HP-UX B.11.00
Compiler:	HP-UX f77 971027 B.11.00.01
File System:	HFS
System State:	Multi-user

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	93.7	39.5	94	39.5
102.swim	8600	276	31.2	132	65.3
103.su2cor	1400	79.3	17.7	79	17.7
104.hydro2d	2400	167	14.3	163	14.7
107.mgrid	2500	118	21.2	112	22.4
110.applu	2200	118	18.7	117	18.8
125.turb3d	4100	215	19.1	203	20.2
141.apsi	2100	73.6	28.5	67	31.3
145.fpppp	9600	225	42.6	192	50.1
146.wave5	3000	79.6	37.7	76	39.6
SPECfp_base95 (G. Mean)			25.3		
		SPECfp95 (G. Mean)			28.5

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 +Onofltacc
103: +O3 +Odataprefetch +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
104: +Oall +Odataprefetch +Oloop_unroll +Owhole_program_mode +Ocachepadcommon
107: +O4 +Odataprefetch +Oinline_budget=1000000 +Oloop_unroll +Onofltacc +Onolimit
110: +Oall +Odataprefetch +Oloop_unroll +Onofltacc +Onolimit +Oinline_budget=400
125: +O3 +Ocachepadcommon +Olibcalls +Onofltacc +Onolimit
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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