SPEC CFP95 Results

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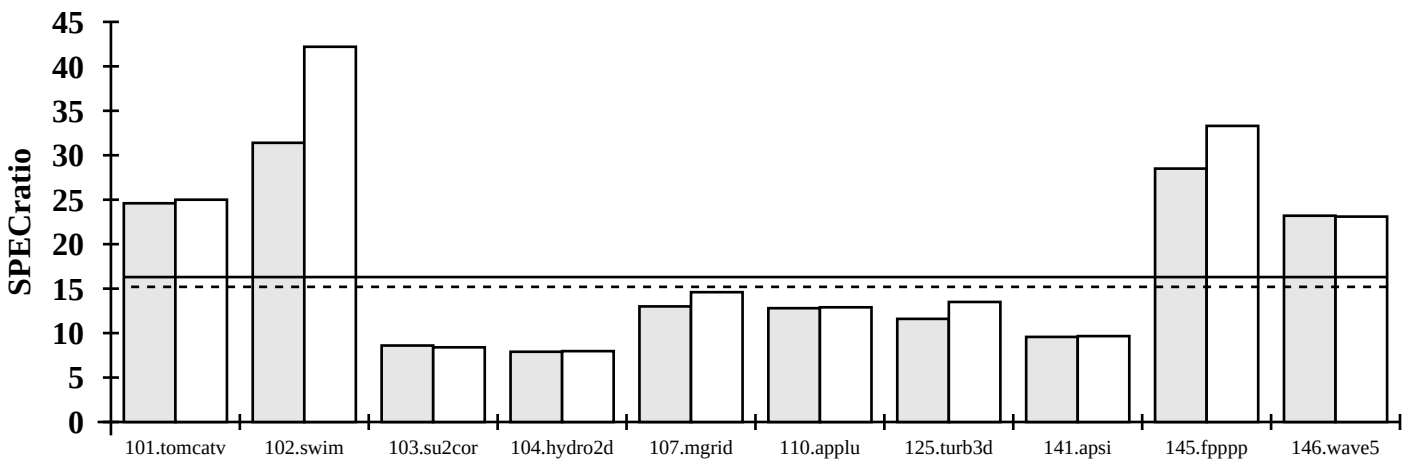
Hewlett-Packard
HP 9000 Model C160

SPECfp95 = 16.3

SPECfp_base95 = 15.2

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



Hardware/Software Configuration for:
HP 9000 Model C160

Hardware

Model Name:	HP 9000 Model C160
CPU:	160 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	512KBI+512KBD off-chip
Secondary Cache:	None
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 IC11A
Compiler:	f77 B3906AA B.10.00.01.B5
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	151	24.6	148	25.0
102.swim	8600	274	31.4	204	42.2
103.su2cor	1400	163	8.60	167	8.40
104.hydro2d	2400	304	7.90	301	7.97
107.mgrid	2500	192	13.0	171	14.6
110.applu	2200	172	12.8	171	12.9
125.turb3d	4100	353	11.6	305	13.5
141.apsi	2100	220	9.57	217	9.66
145.fpppp	9600	336	28.5	288	33.3
146.wave5	3000	129	23.2	130	23.1
SPECfp_base95 (G. Mean)			15.2		
		SPECfp95 (G. Mean)			16.3

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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