SPEC CFP95rate Results

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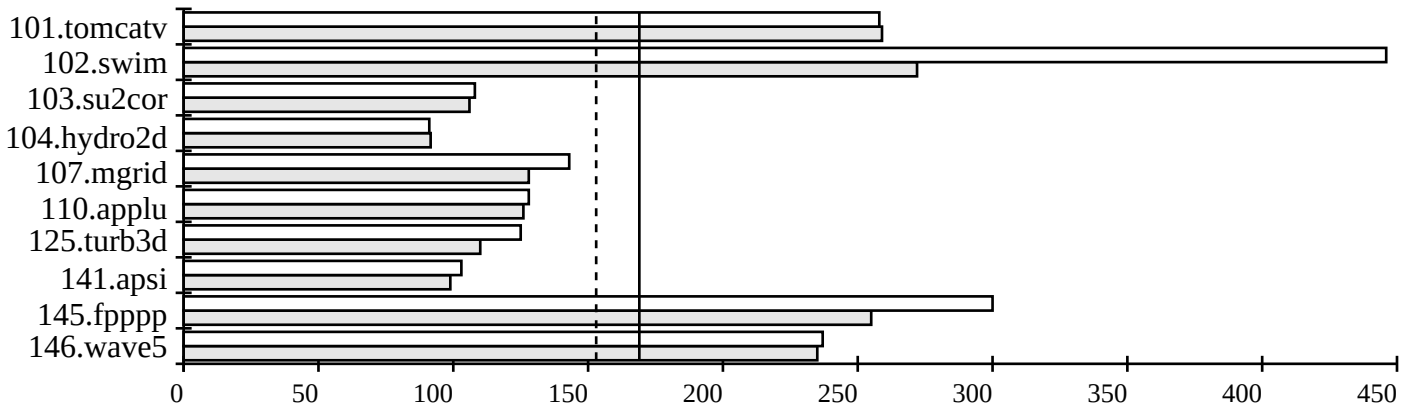
Hewlett-Packard
HP 9000 Model K450

SPECfp_rate95 = 169

SPECfp_rate_base95 = 153

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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	129	259	1	129	258
102.swim	1	285	272	1	173	446
103.su2cor	1	119	106	1	117	108
104.hydro2d	1	236	91.6	1	237	91.1
107.mgrid	1	176	128	1	157	143
110.applu	1	157	126	1	154	128
125.turb3d	1	336	110	1	294	125
141.apsi	1	191	98.9	1	183	103
145.fpppp	1	339	255	1	288	300
146.wave5	1	115	235	1	114	237
SPECfp_rate_base95 (G. Mean)			153			
SPECfp_rate95 (G. Mean)						169

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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-- Prepared By: --