SPEC CFP95rate Results

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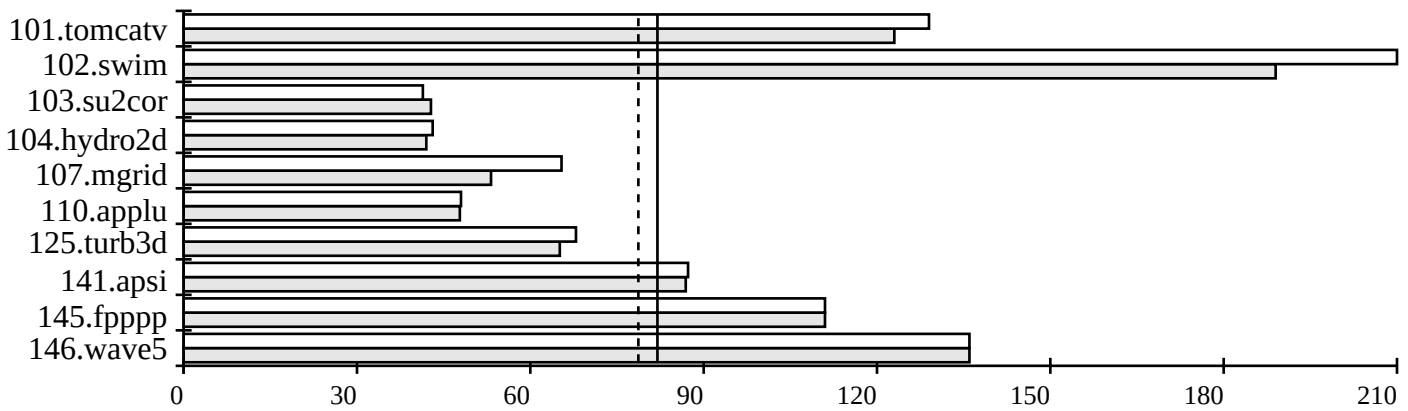
Hewlett-Packard
HP 9000 Model K420

SPECfp_rate95 = 82.0

SPECfp_rate_base95 = 78.7

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



Hardware/Software Configuration for:
HP 9000 Model K420

Hardware

Model Name:	HP 9000 Model K420
CPU:	120 MHz PA-RISC 7200
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	512MB
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	271	123	1	258	129
102.swim	1	409	189	1	369	210
103.su2cor	1	294	42.8	1	304	41.4
104.hydro2d	1	514	42.0	1	501	43.1
107.mgrid	1	423	53.2	1	344	65.4
110.applu	1	414	47.8	1	412	48.0
125.turb3d	1	567	65.1	1	543	67.9
141.apsi	1	218	86.9	1	217	87.3
145.fpppp	1	777	111	1	777	111
146.wave5	1	198	136	1	198	136
SPECfp_rate_base95 (G. Mean)			78.7			
SPECfp_rate95 (G. Mean)						82.0

Notes/Tuning Information

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

Peak Flags:
101: +Oall +Oloop_unroll +Onolimit +Oregionsched +Ovectorize +DC7200 +I/+P
102: +Oall +Ocache_pad_common +Odataprefetch +Ofltacc +Oinline_budget=256000 +Olibcalls +Oloop_transform +DC7200 +I/+P
+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 +DC7200
141: +Oall +Onofastaccess +DC7200
145: +Oall
146: +O3 +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag:  All: -Wl, -a,archive

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