SPEC CFP95rate Results

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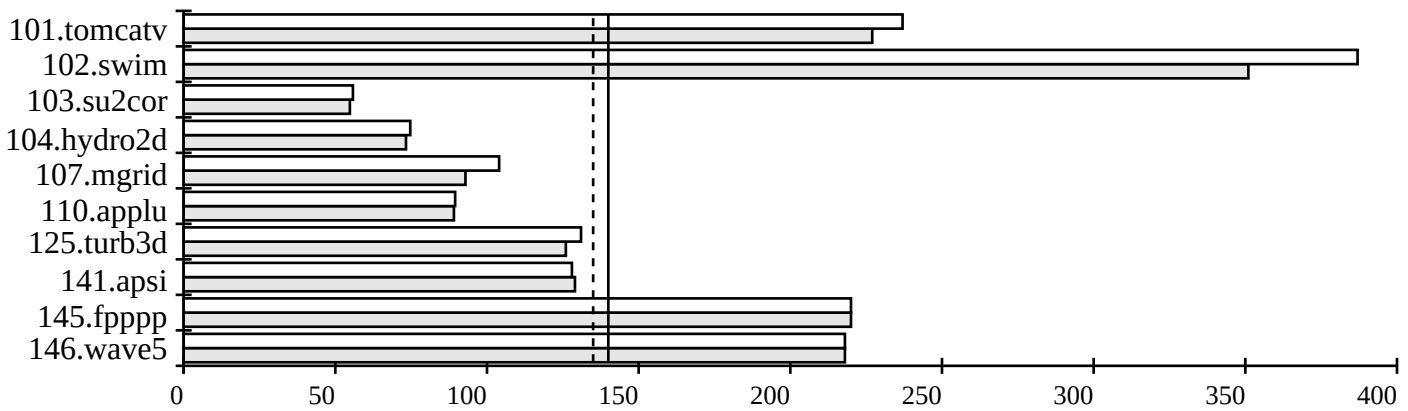
Hewlett-Packard
HP 9000 Model K410 2-CPU

SPECfp_rate95 = 140

SPECfp_rate_base95 = 135

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



Hardware/Software Configuration for:
HP 9000 Model K410 2-CPU

Hardware

Model Name:	HP 9000 Model K410 2-CPU
CPU:	120 MHz PA-RISC 7200
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	256KBI+256KBD 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	2	294	227	2	282	237
102.swim	2	441	351	2	400	387
103.su2cor	2	460	54.8	2	451	55.8
104.hydro2d	2	590	73.3	2	579	74.7
107.mgrid	2	485	92.9	2	433	104
110.applu	2	444	89.1	2	442	89.5
125.turb3d	2	588	126	2	565	131
141.apsi	2	294	129	2	294	128
145.fpppp	2	784	220	2	787	220
146.wave5	2	247	218	2	248	218
SPECfp_rate_base95 (G. Mean)			135			
SPECfp_rate95 (G. Mean)						140

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: --