SPEC CFP95rate Results

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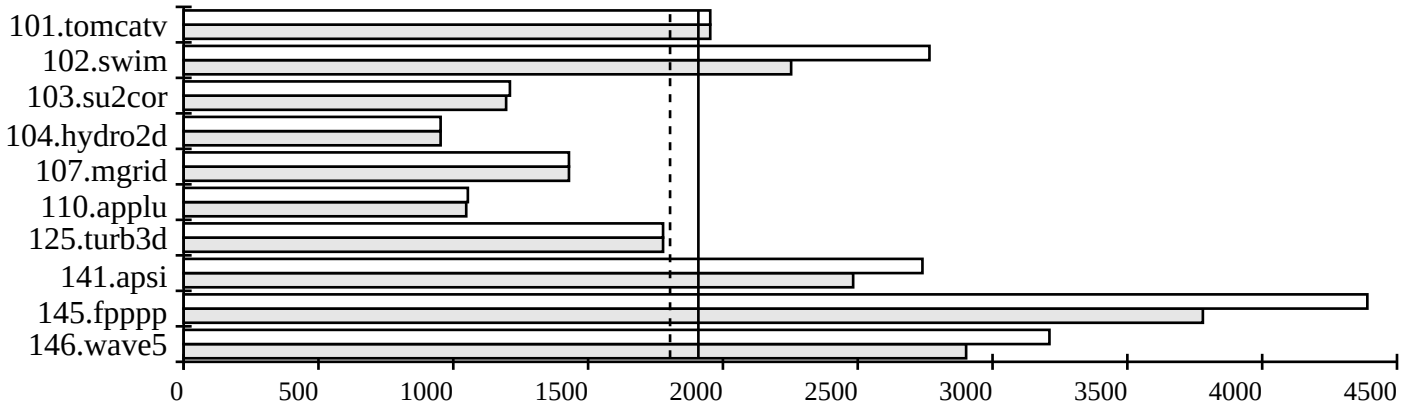
Hewlett-Packard
HP 9000 Model V2200 12-CPU

SPECfp_rate95 = 1909

SPECfp_rate_base95 = 1804

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



Hardware/Software Configuration for:
HP 9000 Model V2200 12-CPU

Hardware

Model Name:	HP 9000 Model V2200 12-CPU
CPU:	200MHz PA-RISC 8200
FPU:	Integrated
Number of CPU(s):	12
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	12	205	1953	12	205	1953
102.swim	12	412	2253	12	336	2766
103.su2cor	12	126	1196	12	125	1210
104.hydro2d	12	272	953	12	272	953
107.mgrid	12	189	1429	12	189	1429
110.applu	12	227	1048	12	226	1054
125.turb3d	12	249	1778	12	249	1778
141.apsi	12	91.3	2483	12	83	2740
145.fpppp	12	274	3780	12	236	4390
146.wave5	12	112	2902	12	101	3211
SPECfp_rate_base95 (G. Mean)			1804			
		SPECfp_rate95 (G. Mean)				1909

Notes/Tuning Information

```
Base Flags:
All:  +Oall +Odataprefetch
Linker Flag:  All: -Wl,-aarchive

Peak Flags:
101: +Oall +Odataprefetch
102: +O4 +Ocachepadcommon +Odataprefetch +Oloop_unroll +Onofltacc
103: +O3 +Odataprefetch +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
104: +Oall +Odataprefetch
107: +Oall +Odataprefetch
110: +Oall +Odataprefetch +Oloop_unroll +Onofltacc +Onolimit +Oinline_budget=400
125: +Oall +Odataprefetch
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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