SPEC CFP95rate Results

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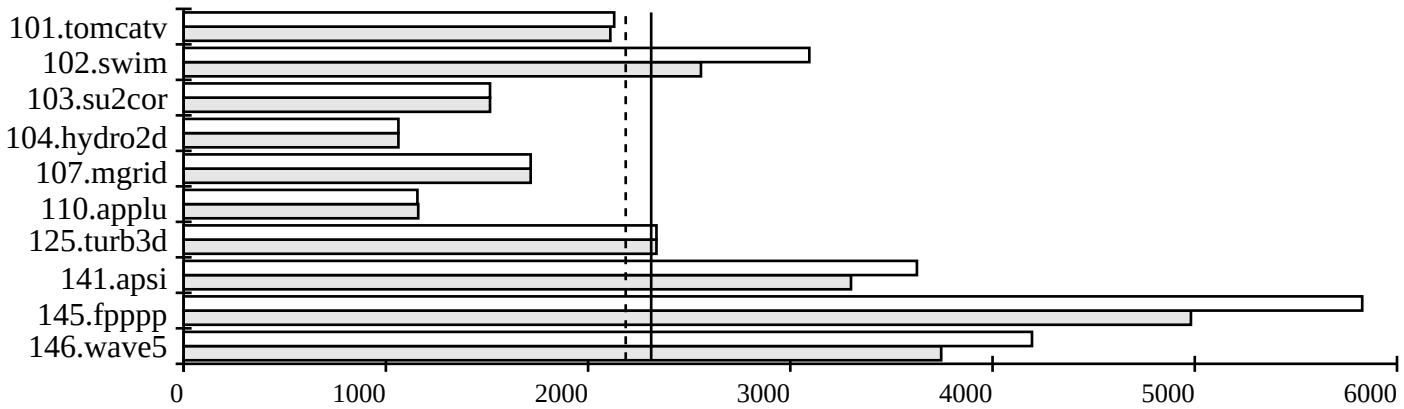
Hewlett-Packard
HP 9000 Model V2200 16-CPU

SPECfp_rate95 = 2312

SPECfp_rate_base95 = 2186

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



SPECrate

Hardware/Software Configuration for:
HP 9000 Model V2200 16-CPU

Hardware

Model Name:	HP 9000 Model V2200 16-CPU
CPU:	200MHz PA-RISC 8200
FPU:	Integrated
Number of CPU(s):	16
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	16	253	2110	16	250	2129
102.swim	16	484	2558	16	400	3094
103.su2cor	16	133	1515	16	133	1515
104.hydro2d	16	326	1062	16	326	1062
107.mgrid	16	210	1716	16	210	1716
110.applu	16	273	1160	16	274	1156
125.turb3d	16	253	2338	16	253	2338
141.apsi	16	91.6	3300	16	83	3626
145.fpppp	16	278	4981	16	237	5828
146.wave5	16	115	3746	16	103	4195
SPECfp_rate_base95 (G. Mean)			2186			
SPECfp_rate95 (G. Mean)						2312

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 +Onofltacc
103: +Oall +Odataprefetch
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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