SPEC CFP95rate Results

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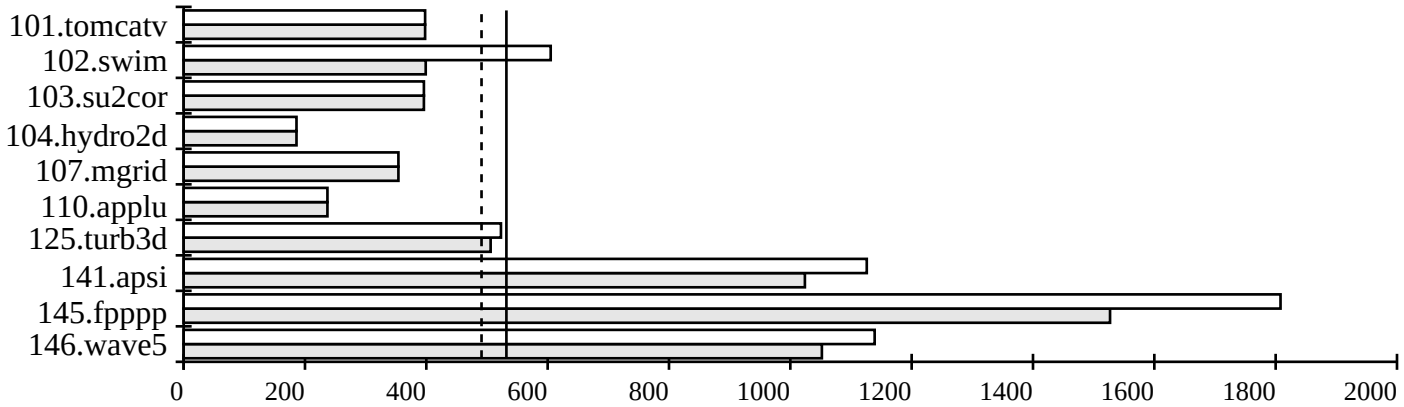
Hewlett-Packard
HP 9000 Model K580 4-CPU

SPECfp_rate95	=	532
SPECfp_rate_base95	=	491

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



Hardware/Software Configuration for:
HP 9000 Model K580 4-CPU

Hardware

Model Name:	HP 9000 Model K580 4-CPU
CPU:	240MHz PA-RISC 8200
FPU:	Integrated
Number of CPU(s):	4
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	4	335	398	4	335	398
102.swim	4	776	399	4	512	605
103.su2cor	4	127	396	4	127	396
104.hydro2d	4	463	186	4	463	186
107.mgrid	4	254	354	4	254	354
110.applu	4	334	237	4	333	237
125.turb3d	4	292	506	4	282	523
141.apsi	4	73.9	1024	4	67	1126
145.fpppp	4	226	1527	4	191	1808
146.wave5	4	103	1052	4	95	1139
SPECfp_rate_base95 (G. Mean)			491			
SPECfp_rate95 (G. Mean)						532

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: +O3 +Ocachepadcommon +Olibcalls +Onofltacc +Onolimit
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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