SPEC CFP95rate Results

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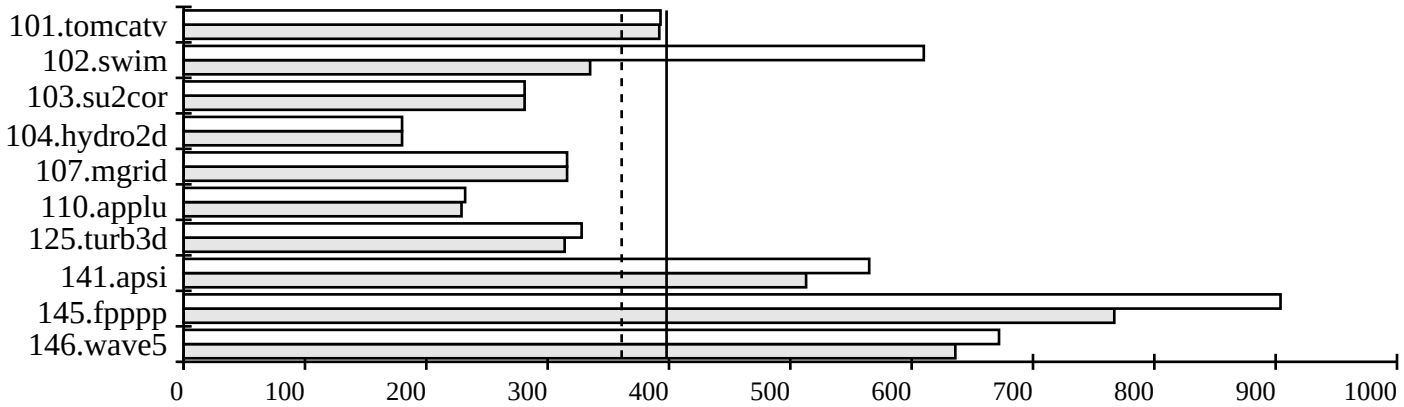
Hewlett-Packard
HP 9000 Model K580 2-CPU

SPECfp_rate95 = 398

SPECfp_rate_base95 = 361

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 2-CPU

Hardware

Model Name:	HP 9000 Model K580 2-CPU
CPU:	240MHz PA-RISC 8200
FPU:	Integrated
Number of CPU(s):	2
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	2	170	392	2	170	393
102.swim	2	463	335	2	254	610
103.su2cor	2	89.5	281	2	90	281
104.hydro2d	2	240	180	2	240	180
107.mgrid	2	142	316	2	142	316
110.applu	2	173	229	2	171	232
125.turb3d	2	235	314	2	225	328
141.apsi	2	73.7	513	2	67	565
145.fpppp	2	225	767	2	191	904
146.wave5	2	85.0	636	2	80	672
SPECfp_rate_base95 (G. Mean)			361			
			SPECfp_rate95 (G. Mean)			398

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: +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: +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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