SPEC CFP95rate Results

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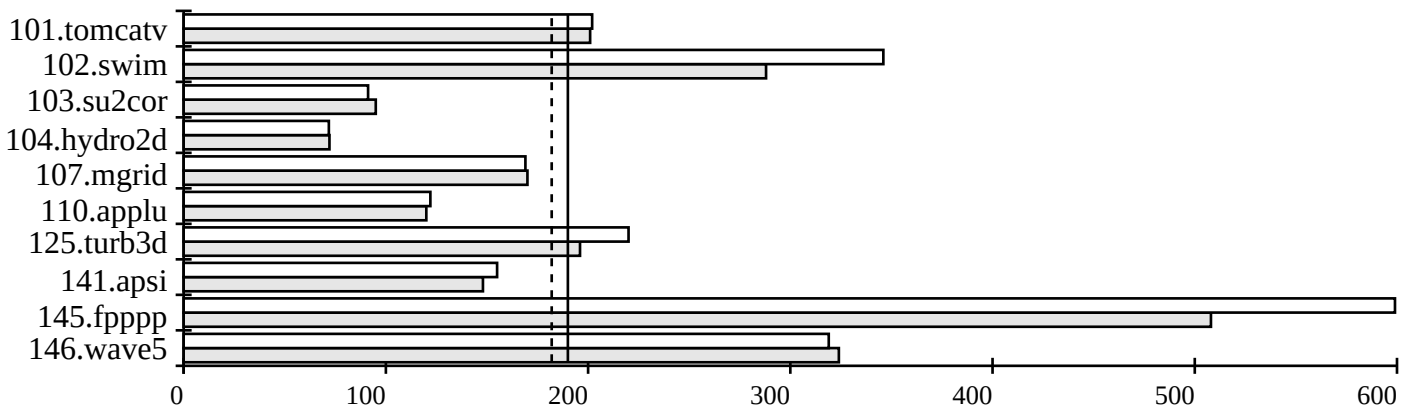
Hewlett-Packard
HP 9000 Model D370 2-CPU

SPECfp_rate95 = 190

SPECfp_rate_base95 = 182

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Sep-95	Hardware Avail: Dec-96	Software Avail: Jul-96



Hardware/Software Configuration for:
HP 9000 Model D370 2-CPU

Hardware

Model Name:	HP 9000 Model D370 2-CPU
CPU:	160 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	512KBI+512KBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	768MB
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	331	201	2	330	202
102.swim	2	537	288	2	447	346
103.su2cor	2	265	95.0	2	276	91.2
104.hydro2d	2	599	72.1	2	602	71.8
107.mgrid	2	265	170	2	266	169
110.applu	2	329	120	2	324	122
125.turb3d	2	376	196	2	335	220
141.apsi	2	255	148	2	244	155
145.fpppp	2	340	508	2	288	599
146.wave5	2	167	324	2	169	319
SPECfp_rate_base95 (G. Mean)			182			
SPECfp_rate95 (G. Mean)						190

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
103: +O2 +Odataprefetch +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
104: +Oall +Odataprefetch +Oloop_unroll +Owhole_program_mode
107: +O3 +Odataprefetch +Oinline_budget=1000000 +Oloop_unroll +Onofltacc +Onolimit
110: +O3 +Odataprefetch +Oloop_unroll +Onofltacc
125: +O3 +Ocachepadcommon +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll
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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