SPEC CFP95rate Results

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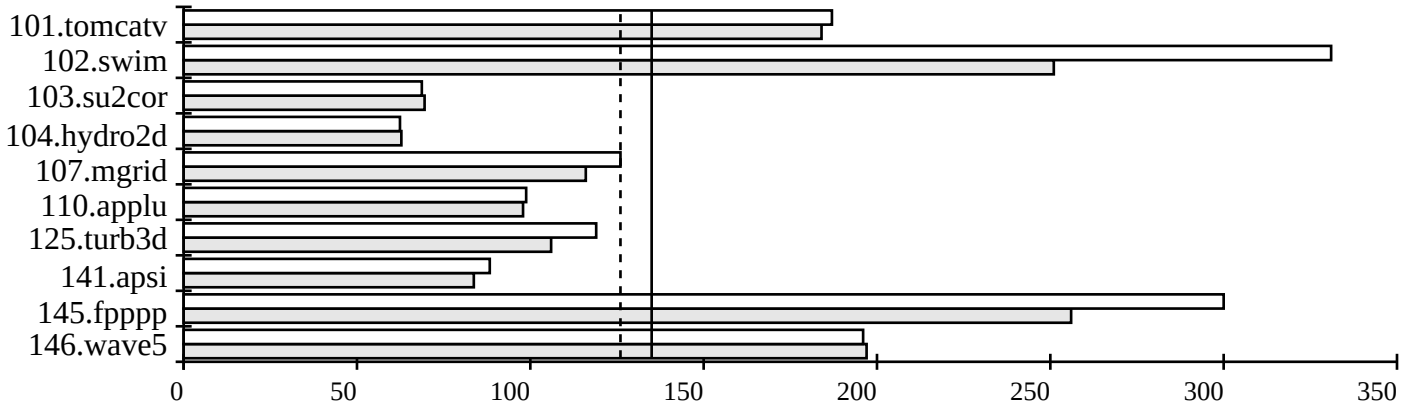
Hewlett-Packard
HP 9000 Model D270

SPECfp_rate95 = 135

SPECfp_rate_base95 = 126

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 D270

Hardware

Model Name:	HP 9000 Model D270
CPU:	160 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	512KBI+512KBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	512MB
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	1	181	184	1	178	187
102.swim	1	308	251	1	234	331
103.su2cor	1	181	69.5	1	184	68.7
104.hydro2d	1	344	62.8	1	346	62.4
107.mgrid	1	194	116	1	178	126
110.applu	1	202	97.9	1	200	98.8
125.turb3d	1	350	106	1	309	119
141.apsi	1	226	83.7	1	214	88.3
145.fpppp	1	338	256	1	288	300
146.wave5	1	137	197	1	138	196
SPECfp_rate_base95 (G. Mean)			126			
SPECfp_rate95 (G. Mean)						135

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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For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org