SPEC CFP95rate Results

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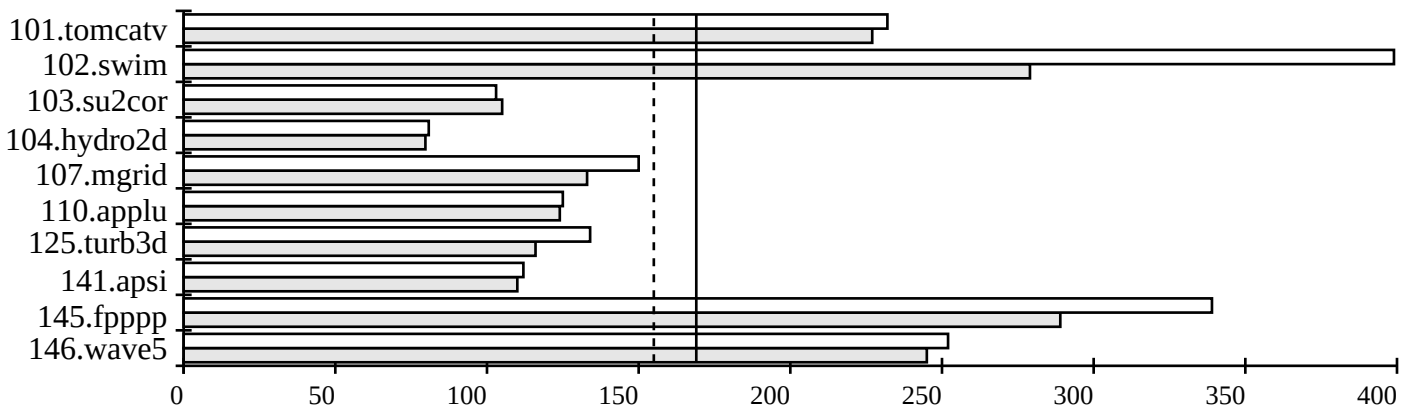
Hewlett-Packard
HP 9000 Model C180-XP

SPECfp_rate95 = 169

SPECfp_rate_base95 = 155

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Apr-96	Hardware Avail: Jun-96	Software Avail: Sep-96



Hardware/Software Configuration for:
HP 9000 Model C180-XP

Hardware

Model Name:	HP 9000 Model C180-XP
CPU:	180 MHz PA-RISC 8000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	128MB
Disk Subsystem:	1 Fast/Wide SCSI-2 2.0 GB
Other Hardware:	Ethernet/ieee T100

Software

Operating System:	HP-UX B.10.20 IC10
Compiler:	f77 B3906AA B.10.00.01.B5
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	147	227	1	144	232
102.swim	1	277	279	1	194	399
103.su2cor	1	120	105	1	122	103
104.hydro2d	1	271	79.7	1	267	80.8
107.mgrid	1	169	133	1	150	150
110.applu	1	159	124	1	158	125
125.turb3d	1	319	116	1	275	134
141.apsi	1	172	110	1	169	112
145.fpppp	1	299	289	1	255	339
146.wave5	1	110	245	1	107	252
SPECfp_rate_base95 (G. Mean)			155			
SPECfp_rate95 (G. Mean)						169

Notes/Tuning Information

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Portability Flags: none
Library Flags (base & peak) all benchmarks: -Wl, -aarchive

Base: +Oall +Odataprefetch

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

Note: The +I/+P indicates the use of profile based optimization.
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-- Prepared By: --