SPEC CFP95rate Results

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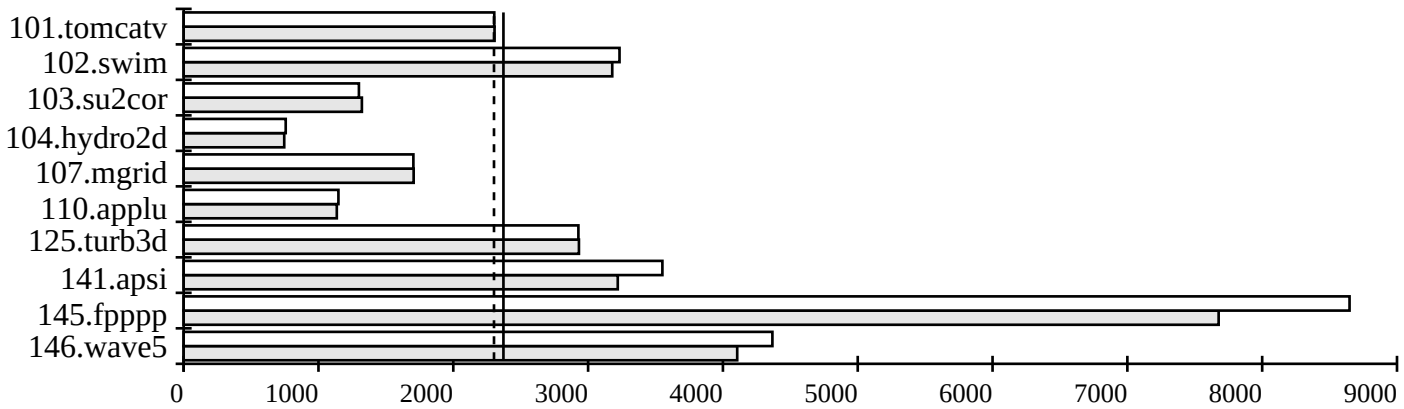
Hewlett-Packard
HP 9000 Model N4000

SPECfp_rate95 = 2372

SPECfp_rate_base95 = 2302

SPEC license # 3	Tested By: HP Richardson, TX	Test Date: Jan-2000	Hardware Avail: Apr-2000	Software Avail: Apr-2000



Hardware/Software Configuration for: HP 9000 Model N4000

Hardware

Model Name:	HP 9000 Model N4000
CPU:	552 MHz PA-RISC 8600
FPU:	Integrated
Number of CPU(s):	8
Primary Cache:	512KBI+1MBD
Secondary Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	1x9GB
Other Hardware:	None

Software

Operating System:	HP-UX B.11.00 U 9000/800 74565 unlimited-user
Compiler:	HP-UX f77 971027 (162928) B.11.00.01
Compiler:	HP-UX f90 19981203 (200508) B.11.01.06
File System:	HP-UX VxFS
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	8	116	2306	8	116	2304
102.swim	8	195	3179	8	192	3233
103.su2cor	8	76.3	1322	8	78	1300
104.hydro2d	8	232	746	8	228	757
107.mgrid	8	106	1706	8	106	1704
110.applu	8	139	1136	8	138	1148
125.turb3d	8	101	2932	8	101	2928
141.apsi	8	47.0	3220	8	43	3551
145.fpppp	8	90.0	7677	8	80	8648
146.wave5	8	52.6	4106	8	49	4367
SPECfp_rate_base95 (G. Mean)			2302			
			SPECfp_rate95 (G. Mean)			2372

Notes/Tuning Information

```
Base Flags:
All: +Oall +Odataprefetch
Linker Flag:  All: -Wl,-aarchive

Peak Flags:
101: f77  +Oall +Odataprefetch
102: f90  +Oall +Ocachepadcommon +Odataprefetch +Onofltacc +Onoloopblock +Onolooptransform +Onovectorize
103: f77  +O3 +Ocachepadcommon +Odataprefetch +Ofastaccess +Oinline_budget=5 +Onofltacc +Onolimit
104: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onolimit
107: f77  +Oall +Odataprefetch
110: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onoinline +I/+P
125: f77  +Oall +Odataprefetch
141: f77  +O3 +Ocachepadcommon +Odataprefetch +Onofltacc +Onolimit
145: f77  +Oall +Oinline_budget=600
146: f90  +Oall +Odataprefetch
Linker Flag:  All: -Wl,-aarchive
```