SPEC CFP95rate Results

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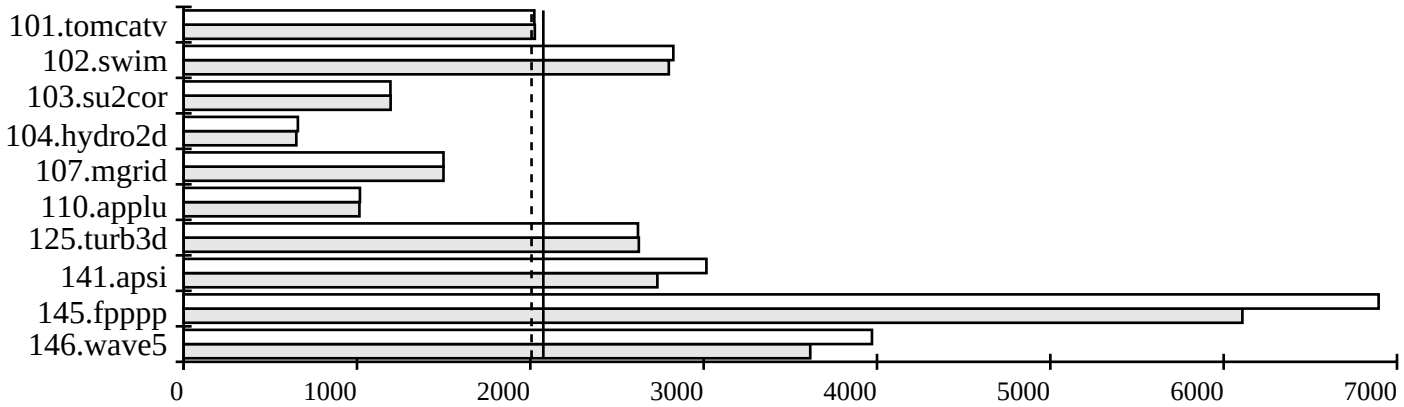
Hewlett-Packard
HP 9000 Model N4000

SPECfp_rate95 = 2075

SPECfp_rate_base95 = 2007

SPEC license # 3	Tested By: HP Richardson, TX	Test Date: Apr-99	Hardware Avail: Aug-99	Software Avail: May-99



Hardware/Software Configuration for:
HP 9000 Model N4000

Hardware

Model Name:	HP 9000 Model N4000
CPU:	440 MHz PA-RISC 8500
FPU:	Integrated
Number of CPU(s):	8
Primary Cache:	512KBI+1MBD
Secondary Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2 9GB Ultra-SCSI 7200 rpm
Other Hardware:	None

Software

Operating System:	HP-UX B.11.00
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	131	2026	8	132	2023
102.swim	8	221	2799	8	219	2825
103.su2cor	8	84.4	1194	8	85	1193
104.hydro2d	8	266	650	8	262	659
107.mgrid	8	120	1499	8	120	1499
110.applu	8	156	1014	8	156	1017
125.turb3d	8	112	2626	8	113	2621
141.apsi	8	55.3	2733	8	50	3016
145.fpppp	8	113	6108	8	100	6894
146.wave5	8	59.7	3615	8	54	3971
SPECfp_rate_base95 (G. Mean)			2007			
			SPECfp_rate95 (G. Mean)			2075

Notes/Tuning Information

```
Base:
All: f77 +Oall +Odataprefetch
Linker Flag:  All: -Wl,-aarchive

Peak:
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
```

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Prepared By: Hewlett-Packard