SPEC CFP95rate Results

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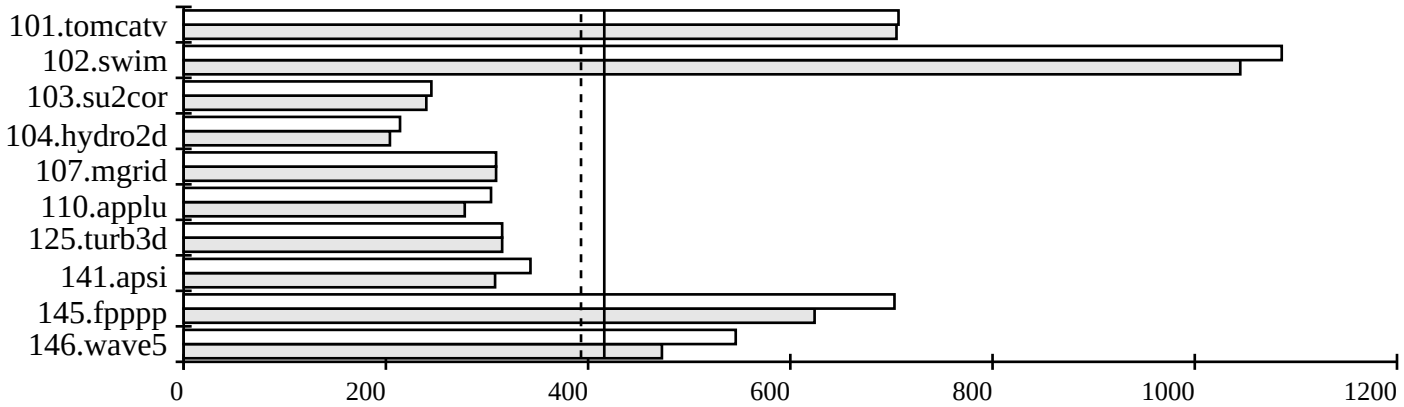
Hewlett-Packard
HP 9000 Model N4000

SPECfp_rate95 = 416

SPECfp_rate_base95 = 393

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:	360 MHz PA-RISC 8500
FPU:	Integrated
Number of CPU(s):	1
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	1	47.2	705	1	47	707
102.swim	1	74.1	1045	1	71	1086
103.su2cor	1	52.4	240	1	51	245
104.hydro2d	1	106	204	1	101	214
107.mgrid	1	72.9	309	1	73	309
110.applu	1	71.1	278	1	65	304
125.turb3d	1	117	315	1	117	315
141.apsi	1	61.4	308	1	55	343
145.fpppp	1	138	624	1	123	703
146.wave5	1	57.1	473	1	49	546
SPECfp_rate_base95 (G. Mean)			393			
SPECfp_rate95 (G. Mean)						416

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
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@spec.org
http://www.spec.org/

-- Prepared By: --