SPEC CFP95rate Results

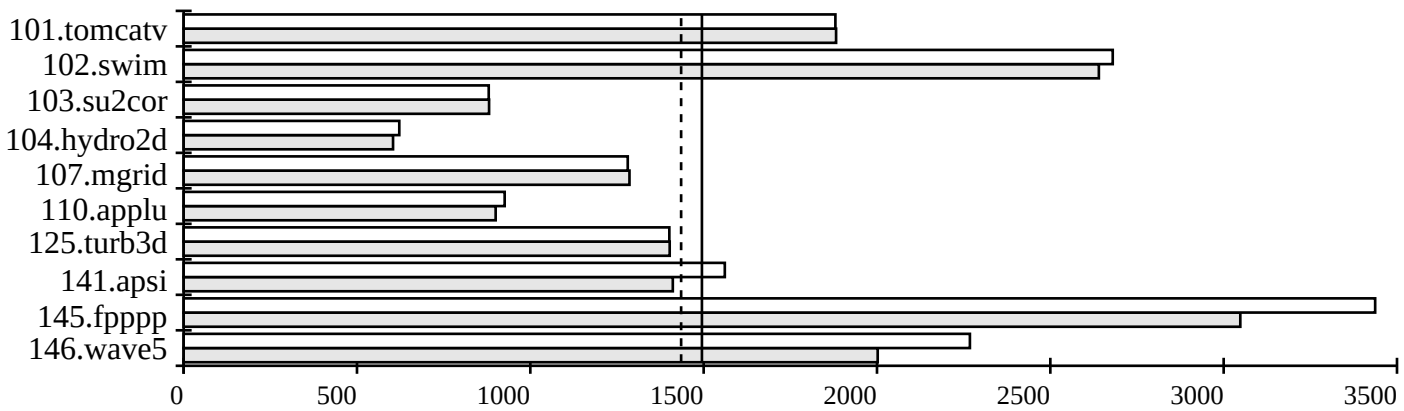
©Copyright 1995, Standard Performance Evaluation Corporation

Hewlett-Packard
HP 9000 Model N4000

SPECfp_rate95 = 1495

SPECfp_rate_base95 = 1435

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):	4
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	4	70.8	1882	4	71	1880
102.swim	4	117	2640	4	116	2680
103.su2cor	4	57.2	881	4	57	880
104.hydro2d	4	143	604	4	139	622
107.mgrid	4	70.0	1286	4	70	1281
110.applu	4	88.0	900	4	85	926
125.turb3d	4	105	1402	4	105	1401
141.apsi	4	53.6	1411	4	48	1561
145.fpppp	4	113	3048	4	101	3437
146.wave5	4	53.9	2002	4	48	2268
SPECfp_rate_base95 (G. Mean)			1435			
		SPECfp_rate95 (G. Mean)				1495

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: Hewlett-Packard