SPEC CFP95 Results

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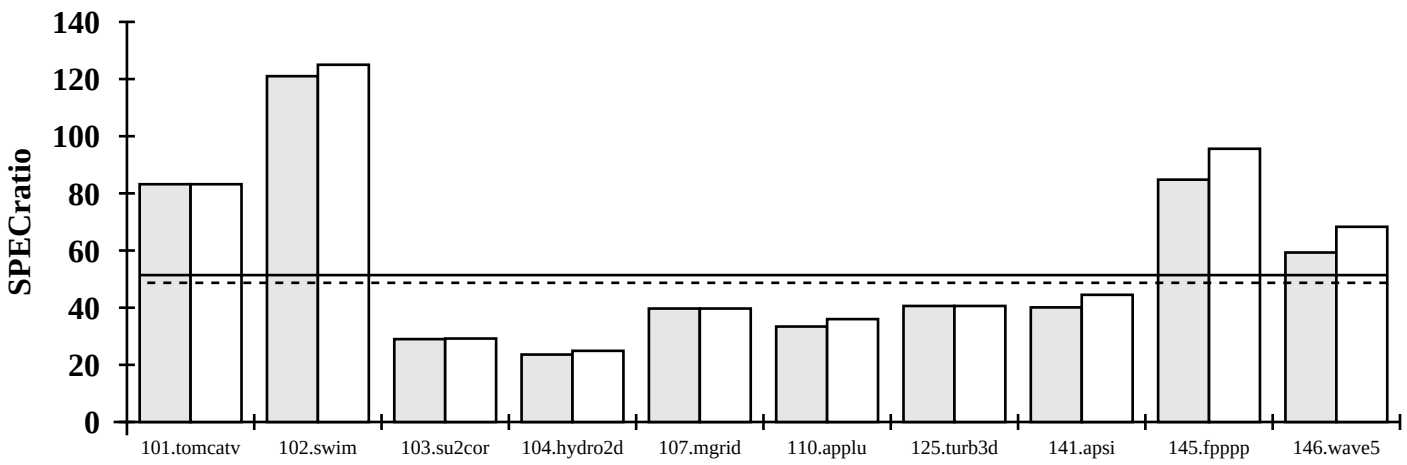
Hewlett-Packard
HP 9000 Model N4000

SPECfp95 = 51.4

SPECfp_base95 = 48.7

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):	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	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	44.5	83.2	44	83.2
102.swim	8600	70.9	121	69	125
103.su2cor	1400	48.3	29.0	48	29.2
104.hydro2d	2400	102	23.6	96	24.9
107.mgrid	2500	62.9	39.7	63	39.7
110.applu	2200	66.0	33.4	61	36.0
125.turb3d	4100	101	40.6	101	40.6
141.apsi	2100	52.4	40.1	47	44.5
145.fpppp	9600	113	84.8	100	95.6
146.wave5	3000	50.6	59.3	44	68.3
SPECfp_base95 (G. Mean)			48.7		
		SPECfp95 (G. Mean)			51.4

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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