SPEC CFP95 Results

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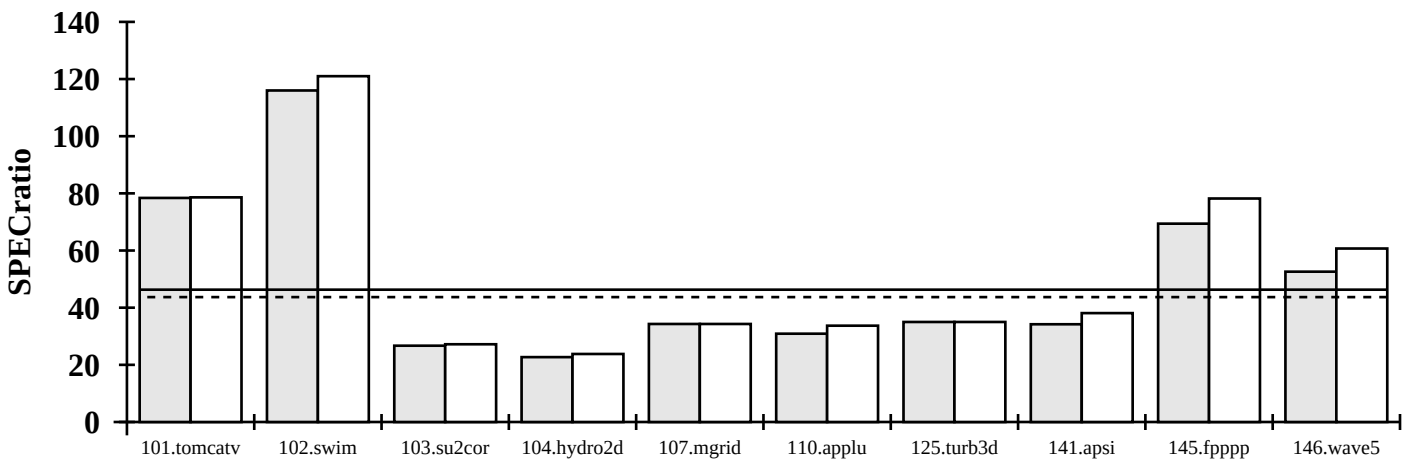
Hewlett-Packard
HP 9000 Model N4000

SPECfp95 = 46.3

SPECfp_base95 = 43.7

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:	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	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	47.2	78.4	47	78.6
102.swim	8600	74.1	116	71	121
103.su2cor	1400	52.4	26.7	51	27.2
104.hydro2d	2400	106	22.7	101	23.8
107.mgrid	2500	72.9	34.3	73	34.3
110.applu	2200	71.1	30.9	65	33.7
125.turb3d	4100	117	35.0	117	35.0
141.apsi	2100	61.4	34.2	55	38.1
145.fpppp	9600	138	69.4	123	78.2
146.wave5	3000	57.1	52.6	49	60.7
SPECfp_base95 (G. Mean)			43.7		
		SPECfp95 (G. Mean)			46.3

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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