SPEC CFP95 Results

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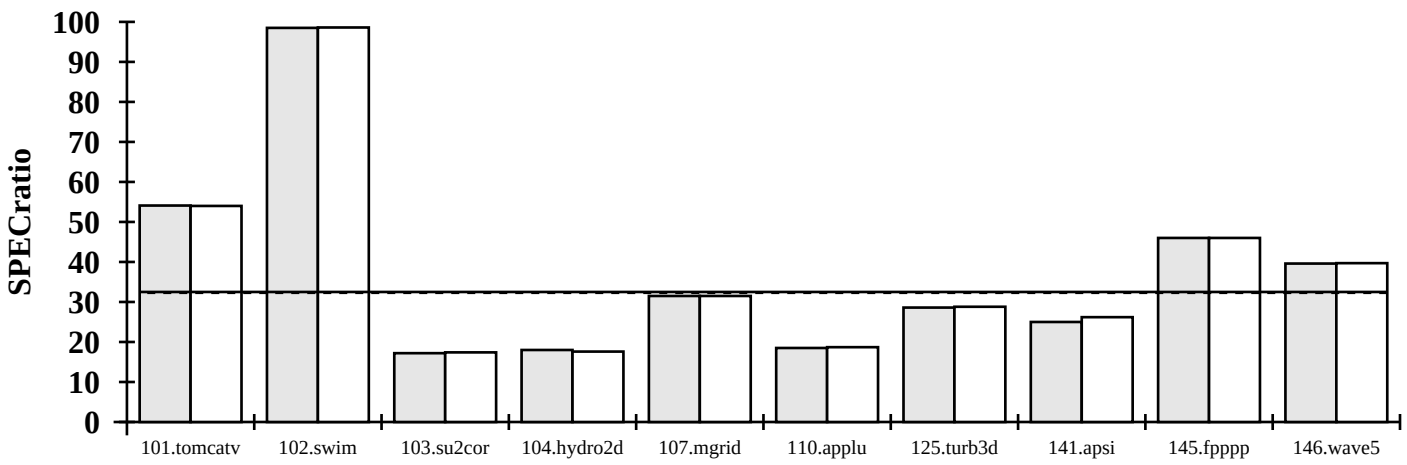
Dell Computer Corporation
Precision WorkStation 420

SPECfp95 = 32.5

SPECfp_base95 = 32.3

SPEC license # 55 | Tested By: Dell, Round Rock, TX | Test Date: Mar-2000 | Hardware Avail: Jan-2000 | Software Avail: Feb-2000



Hardware/Software Configuration for:
Precision WorkStation 420

Hardware

Model Name:	Precision WorkStation 420
CPU:	800 MHz Pentium III processor
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI+16KBD
Secondary Cache:	256KB(I+D) ECC
Other Cache:	None
Memory:	256MB ECC PC800 RDRAM
Disk Subsystem:	Quantum Atlas 10K Ultra3
Other Hardware:	

Software

Operating System:	Microsoft Windows NT 4.0 (SP5)
Compiler:	Intel Fortran Compiler 4.5, Microsoft Visual C++ 6.0 (for libraries), MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	68.4	54.1	69	54.0
102.swim	8600	87.3	98.5	87	98.6
103.su2cor	1400	81.2	17.2	80	17.4
104.hydro2d	2400	133	18.0	136	17.6
107.mgrid	2500	79.4	31.5	79	31.5
110.applu	2200	119	18.5	118	18.7
125.turb3d	4100	143	28.6	142	28.8
141.apsi	2100	84.0	25.0	80	26.2
145.fpppp	9600	209	46.0	209	46.0
146.wave5	3000	75.8	39.6	76	39.7
SPECfp_base95 (G. Mean)			32.3		
		SPECfp95 (G. Mean)			32.5

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen -Qprof_dir c:/temp/IRCDB PASS2=-Qprof_use
Base flags: -Qipo_wp -QaxK -O3 +FDO
-Qprof_dir is a location flag and not an optimization flag
Peak flags:
101: -QaxK -O3 -Qrcd -Qip -Qipo_wp -Qscalar_rep- +FDO
102: -QxK -O3 -Qpc 32 -Qipo_wp
103: -QxK -O3 -Qip -Qipo_wp
104: -QxK -O3 -Qip -Qscalar_rep- -Qipo_wp +FDO
107: -QaxK -O3 -Qip +FDO
110: -Qipo_wp +FDO
125: -QaxK -O3 -Qrcd -Qip -Qprefetch- +FDO
141: -QxK -O3 -Qip -Qprefetch-
145: -Qipo_wp -QaxK -O3 +FDO
146: -O3 -QxK -Qipo_wp -Qscalar_rep-
Microsoft Visual C++ 6.0 is also for libraries
133 MHz front side bus
```