SPEC CFP95 Results

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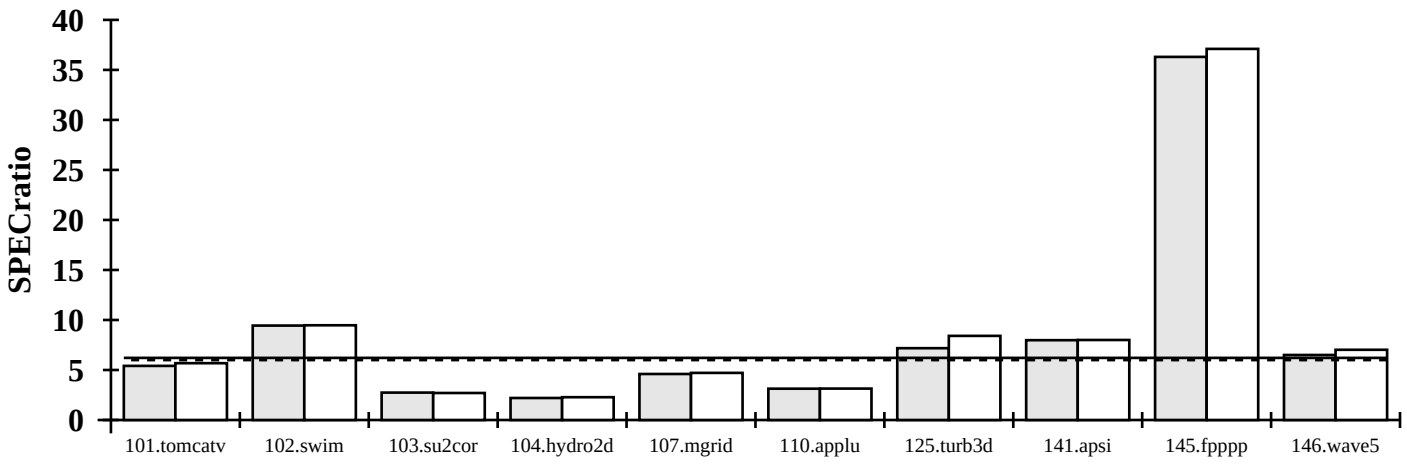
IBM Corporation
RS/6000 43P-140 (332 MHz)

SPECfp95 = 6.21

SPECfp_base95 = 5.99

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Sep-97	Hardware Avail: Oct-97	Software Avail: Oct-97



Hardware/Software Configuration for:
RS/6000 43P-140 (332 MHz)

Hardware

Model Name:	RS/6000 43P-140
CPU:	332 MHz PowerPC 604e
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	1MB(I+D) off chip
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1x2.2GB SCSI
Other Hardware:	None

Software

Operating System:	AIX 4.2.1
Compiler:	XL Fortran version 5.1.0.0 KAP version 3.2 VAST-2 version 4.01X8
File System:	AIX/JFS
System State:	Multi-user

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	684	5.41	651	5.68
102.swim	8600	911	9.44	908	9.47
103.su2cor	1400	512	2.74	518	2.70
104.hydro2d	2400	1089	2.20	1054	2.28
107.mgrid	2500	544	4.60	530	4.71
110.applu	2200	704	3.13	701	3.14
125.turb3d	4100	571	7.18	487	8.41
141.apsi	2100	263	7.98	262	8.00
145.fpppp	9600	264	36.3	259	37.1
146.wave5	3000	461	6.50	428	7.02
SPECfp_base95 (G. Mean)			5.99		
		SPECfp95 (G. Mean)			6.21

Notes/Tuning Information

```
Base: -O3 -qarch=ppc -qhot -lmass
Peak
101: -qhot -O3 -qarch=ppc -qnosave -Pv -Wp,-me -bnso -bI:/lib/syscalls.exp
102: -O3 -qarch=ppc -qhot -lmass
103: -O3 -qarch=ppc -qhot -qnosave -lmass -bnso -bI:/lib/syscalls.exp
104: -O3 -qarch=ppc -qfloat=hsflt -qfdpr -Pk -Wp,-fuse -qpdf1/pdf2 -bnso
:    -bI:/lib/syscalls.exp
107: -qhot -O3 -qarch=ppc -Pv -bnso -bI:/lib/syscalls.exp
110: -qhot -O3 -qarch=ppc -qfloat=hsflt -Q -lmass -bnso -bI:/lib/syscalls.exp
125: -O3 -qarch=ppc -qnosave -Pv -Wp,-e78,-me -lmass -bnso -bI:/lib/syscalls.exp
141: -O3 -qarch=ppc -qhot -lmass -bnso -bI:/lib/syscalls.exp
145: -qhot -O3 -qarch=ppc -Q -qfloat=hsflt -Pv -Wp,-ea,-g1 -lmass -bnso
:    -bI:/lib/syscalls.exp; fdpr -R3
146: -O3 -qarch=ppc -qfloat=hsflt -Q -Pk -Wp,-ag=a -lmass -bnso -bI:/lib/syscalls.exp;
```

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