SPEC CFP95 Results

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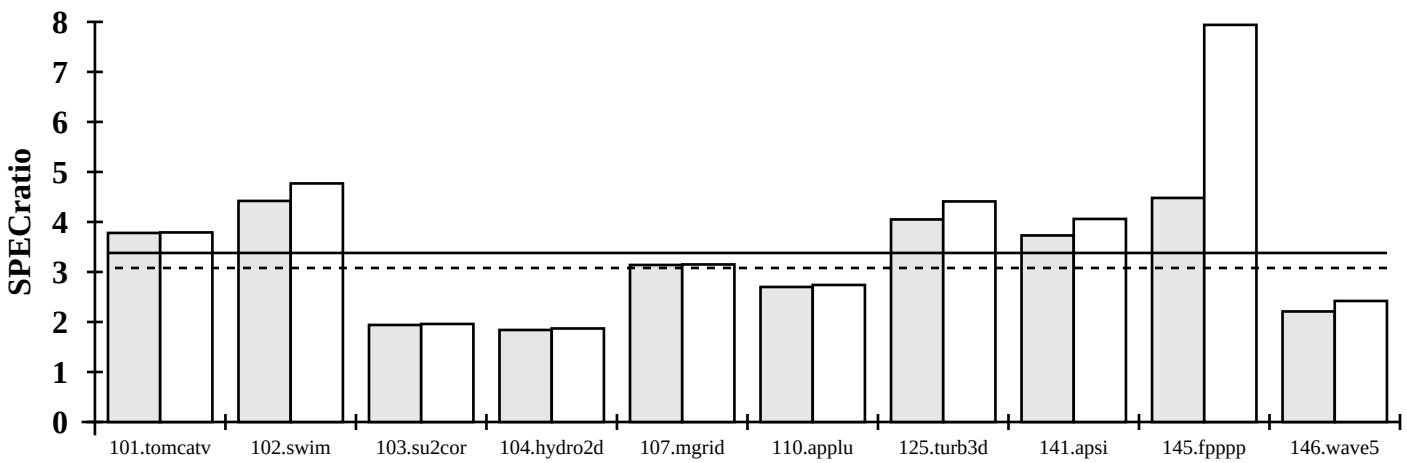
IBM Corporation
RISC System/6000 43P

SPECfp95 = 3.38

SPECfp_base95 = 3.08

SPEC license # 11 | Tested By: IBM, Austin, TX | Test Date: Jan-96 | Hardware Avail: Jul-95 | Software Avail: Dec-95



Hardware/Software Configuration for:
RISC System/6000 43P

Hardware

Model Name:	RISC System/6000 43P
CPU:	120MHz PowerPC 604
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	16KBI + 16KBD on chip
Secondary Cache:	512KB(I+D) off chip
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	IBM XL Fortran/6000 3.2.2.2
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	978	3.78	976	3.79
102.swim	8600	1946	4.42	1803	4.77
103.su2cor	1400	722	1.94	714	1.96
104.hydro2d	2400	1303	1.84	1282	1.87
107.mgrid	2500	796	3.14	795	3.15
110.applu	2200	813	2.70	804	2.74
125.turb3d	4100	1012	4.05	930	4.41
141.apsi	2100	563	3.73	517	4.06
145.fpppp	9600	2141	4.48	1209	7.94
146.wave5	3000	1359	2.21	1238	2.42
SPECfp_base95 (G. Mean)			3.08		
		SPECfp95 (G. Mean)			3.38

Notes/Tuning Information

```
Baseline: -O3 -qarch=ppc -qhsflt -lmass
Peak: all used -qarch=ppc -qhsflt -pdf1/pdf2 -bnso -bI:/lib/syscalls.ex
101: -O3
102: -O  -qnosave -Pk -Wp,-ag=a,-ur2=133
103: -O3
104: -O3 -qnosave -qipa -Pv -Wp,-ea478
107: -O3 -Pv -Wp,-ea478
110: -O3 -qhot -Q=300
125: -O3 -qipa -Pv -Wp,-ew,-me
141: -O3 -qnosave -Pk -Wp,-ur2=133,-ag=a
145: -O3 -qnofold -Pv -Wp,-ew,-me
146: -O3 -Pk -Wp,-ur2=200,-ag=a
Extra Software: KAP for IBM Fortran and VAST/2 for IBM Fortran
```

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