SPEC CFP95 Results

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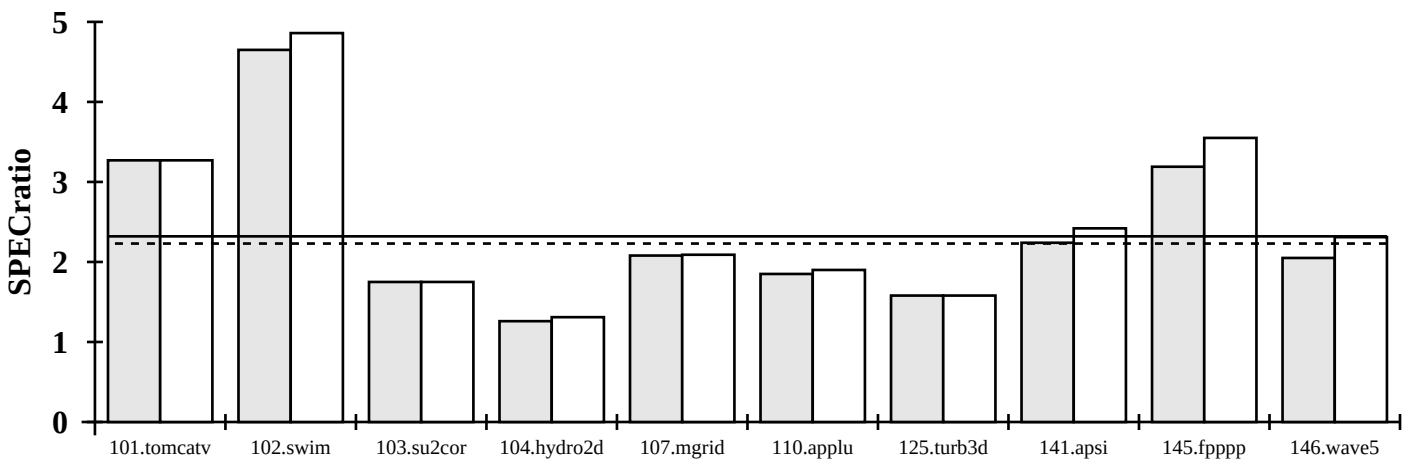
IBM Corporation
RISC System/6000 250/25S

SPECfp95 = 2.32

SPECfp_base95 = 2.23

SPEC license # 11	Tested By: IBM, Austin TX	Test Date: Feb-96	Hardware Avail: Sep-93	Software Avail: Dec-95



Hardware/Software Configuration for:
RISC System/6000 250/25S

Hardware

Model Name:	RISC System/6000 250/25S
CPU:	66MHz PowerPC 601
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KB(I+D) on chip
Secondary Cache:	None
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1 x 2.0 GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	XL Fortran/6000 Vers. 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	1132	3.27	1133	3.27
102.swim	8600	1850	4.65	1770	4.86
103.su2cor	1400	800	1.75	798	1.75
104.hydro2d	2400	1910	1.26	1836	1.31
107.mgrid	2500	1200	2.08	1197	2.09
110.applu	2200	1188	1.85	1159	1.90
125.turb3d	4100	2595	1.58	2589	1.58
141.apsi	2100	936	2.24	866	2.42
145.fpppp	9600	3010	3.19	2707	3.55
146.wave5	3000	1465	2.05	1299	2.31
SPECfp_base95 (G. Mean)			2.23		
		SPECfp95 (G. Mean)			2.32

Notes/Tuning Information

```
Baseline: -O3 -qarch=ppc -qhsflt -lmass
Peak: all used -qarch=ppc -qhsflt -pdf1/pdf2 -bnso -bI:/lib/syscalls.exp -lmass
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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