SPEC CFP95 Results

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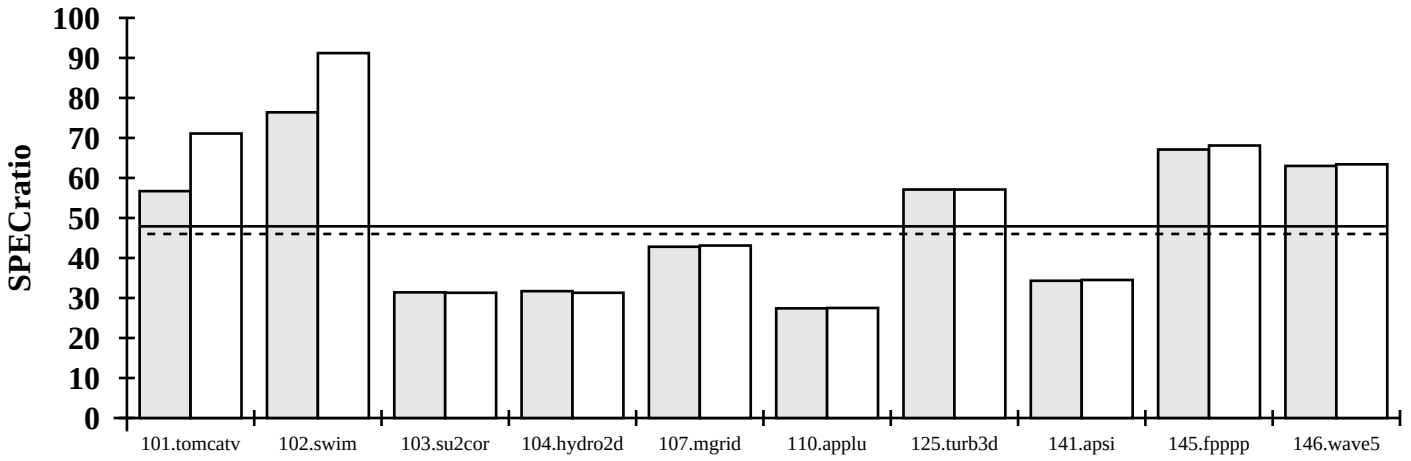
IBM Corporation
RS/6000 44P-170 (400 MHz)

SPECfp95 = 47.9

SPECfp_base95 = 46.0

SPEC license # 11 | Tested By: IBM, Austin, TX | Test Date: Jan-2000 | Hardware Avail: Feb-2000 | Software Avail: Mar-2000



Hardware/Software Configuration for:
RS/6000 44P-170 (400 MHz)

Hardware

Model Name:	RS/6000 44P-170 (400 MHz)
CPU:	400 MHz Power3-II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	4MB
Other Cache:	None
Memory:	1GB
Disk Subsystem:	2x9.1GB IBM Fast/Wide SCSI 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3
Compiler:	XL Fortran version 7.1.0.0 KAP version 4.0
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	65.3	56.7	52	71.1
102.swim	8600	112	76.4	94	91.2
103.su2cor	1400	44.6	31.4	45	31.3
104.hydro2d	2400	75.7	31.7	77	31.3
107.mgrid	2500	58.5	42.8	58	43.1
110.applu	2200	80.3	27.4	80	27.5
125.turb3d	4100	71.8	57.1	72	57.1
141.apsi	2100	61.2	34.3	61	34.5
145.fpppp	9600	143	67.1	141	68.1
146.wave5	3000	47.6	63.0	47	63.4
SPECfp_base95 (G. Mean)			46.0		
		SPECfp95 (G. Mean)			47.9

Notes/Tuning Information

```
Base: -O5 -lmass
Peak
101: -O5 -qhot=arraypad=48 -lmass -bnso -bI:/lib/syscalls.exp
102: -O5 -qhot=arraypad=28 -qpdf1/pdf2 -lmass
103: -O5 -lmass
104: -O5 -lmass
107: -O5 -qipa=inline=limit=100 -lmass -bnso -bI:/lib/syscalls.exp
110: -O5 -lmass
125: -O5 -qnosave -lmass
141: -O5 -lmass -bnso -bI:/lib/syscalls.exp
145: -O5 -Pk -Wp,-f -lmass
146: -O5 -lmass -bnso -bI:/lib/syscalls.exp
```

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