SPEC CFP95 Results

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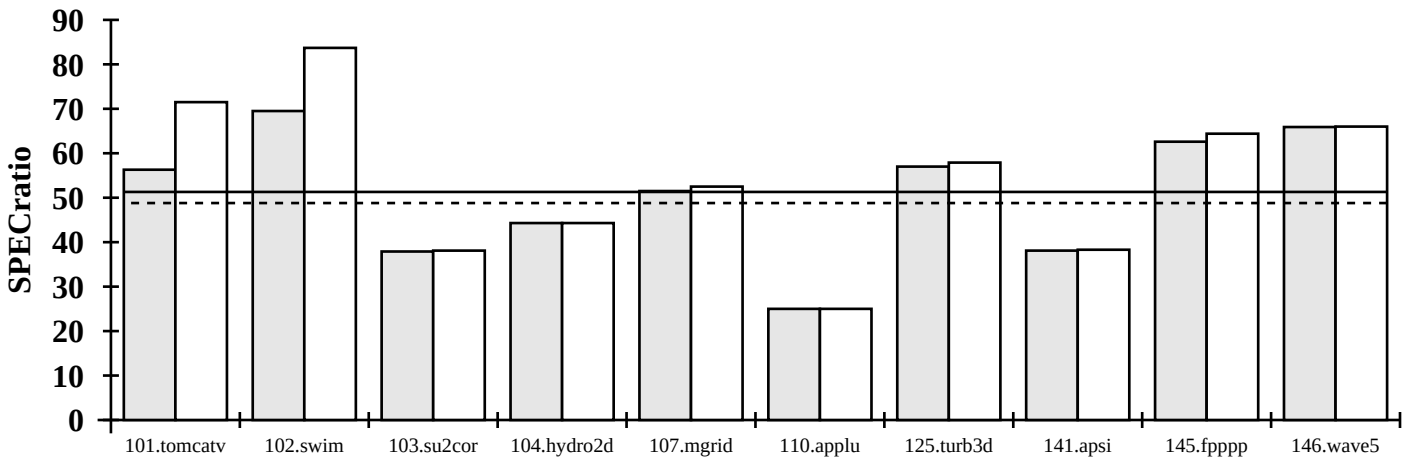
IBM Corporation
RS/6000 SP-375MHz High Node (1 CPU)

SPECfp95 = 51.3

SPECfp_base95 = 48.8

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Jun-2000	Hardware Avail: Aug-2000	Software Avail: Jul-2000



Hardware/Software Configuration for:
RS/6000 SP-375MHz High Node (1 CPU)

Hardware

Model Name:	RS/6000 SP-375MHz High Node (1 CPU)
CPU:	375MHz POWER3-II
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	8MB unified (off chip, per CPU)
Other Cache:	None
Memory:	32GB
Disk Subsystem:	2x18GB SCSI, 7200RPM
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.3 plus beta of APAR IY11202
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	65.7	56.3	52	71.5
102.swim	8600	124	69.5	103	83.7
103.su2cor	1400	36.9	37.9	37	38.1
104.hydro2d	2400	54.2	44.3	54	44.3
107.mgrid	2500	48.5	51.5	48	52.5
110.applu	2200	88.1	25.0	88	25.0
125.turb3d	4100	71.9	57.0	71	57.9
141.apsi	2100	55.1	38.1	55	38.3
145.fpppp	9600	153	62.6	149	64.4
146.wave5	3000	45.5	65.9	45	66.0
SPECfp_base95 (G. Mean)			48.8		
		SPECfp95 (G. Mean)			51.3

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
NOTE: 16 CPUs were installed, but 15 were disabled via the service processor setup menu.
```