SPEC CFP95 Results

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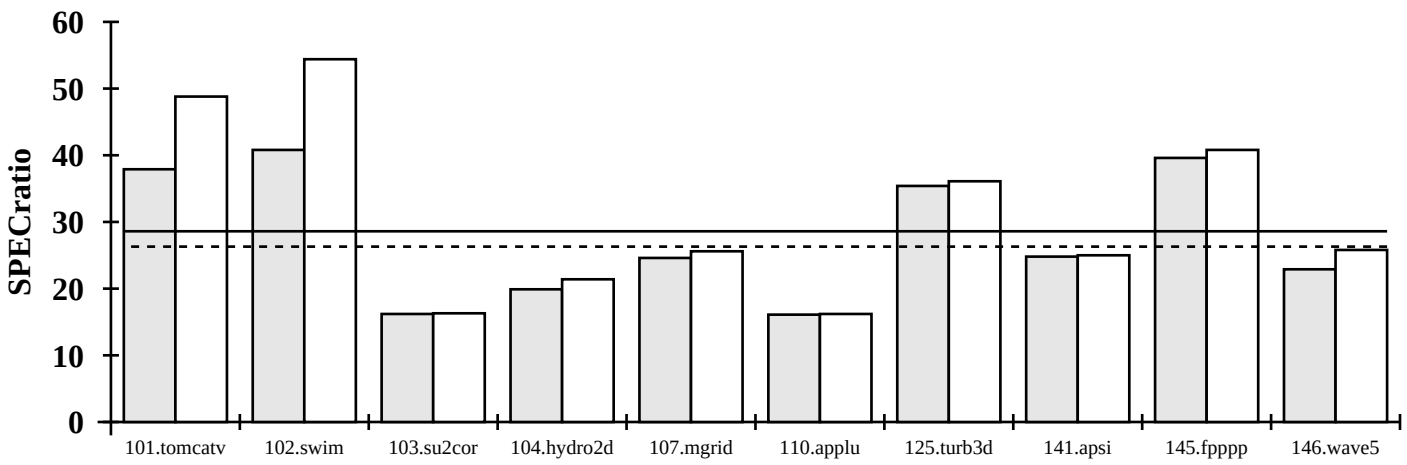
IBM Corporation
RS/6000 SP-222 MHz High Node (1 CPU)

SPECfp95 = 28.6

SPECfp_base95 = 26.3

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Oct-99	Hardware Avail: Oct-99	Software Avail: Sep-99



Hardware/Software Configuration for:
RS/6000 SP-222 MHz High Node (1 CPU)

Hardware

Model Name:	RS/6000 SP-222 MHz High Node (1 CPU)
CPU:	222 MHz POWER3
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KB I + 64KB D (on chip)
Secondary Cache:	4MB unified (off chip)
Other Cache:	None
Memory:	8 GB
Disk Subsystem:	2 x 18.2GB
Other Hardware:	None

Software

Operating System:	AIX 4.3.3
Compiler:	XL Fortran version 6.1.0.0 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	97.6	37.9	76	48.8
102.swim	8600	211	40.8	158	54.4
103.su2cor	1400	86.5	16.2	86	16.3
104.hydro2d	2400	121	19.9	112	21.4
107.mgrid	2500	102	24.6	98	25.6
110.applu	2200	137	16.1	136	16.2
125.turb3d	4100	116	35.4	114	36.1
141.apsi	2100	84.6	24.8	84	25.0
145.fpppp	9600	242	39.6	235	40.8
146.wave5	3000	131	22.9	116	25.8
SPECfp_base95 (G. Mean)			26.3		
		SPECfp95 (G. Mean)			28.6

Notes/Tuning Information

```
Base: -O4 -qipa=level=2:noobject -lmass
Peak
101: -O4 -qipa=level=2:noobject -qhot=arraypad=52 -bnso -bI:/lib/syscalls.exp
102: -O4 -qipa=level=2:noobject -qhot=arraypad=28 -qstrict -qpdf1/pdf2 -lmass
103: -O4 -qipa=level=2:noobject -qhot=arraypad=44 -Pv -Wp,-ew,-o -lmass -bnso -bI:/lib/syscalls.exp
104: -O3 -qarch=pwr3 -qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp
107: -O4 -qipa=level=2:noobject -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R2
110: -O4 -qipa=level=2:noobject -qnosave -lmass
125: -O4 -qipa=level=2:noobject -qnosave -lmass
141: -O3 -qhot -qtbtable=none -qarch=pwr3 -qnosave -lmass -bnso -bI:/lib/syscalls.exp
145: -O4 -Q -Pv -Wp,-ea27,-o -1 -qnosave -qmaxmem=-1 -qpdf1/pdf2 -lmass -bnso -bI:/lib/syscalls.exp
146: -O3 -qarch=pwr3 -Pk -Wp,-ag=a,-f -qxlf77=nopersistent -lmass -bnso -bI:/lib/syscalls.exp
NOTE: 2 CPUs were installed, but only 1 was enabled. The service processor menu
.     was used to disable one of the processors.
```

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