SPEC CFP95rate Results

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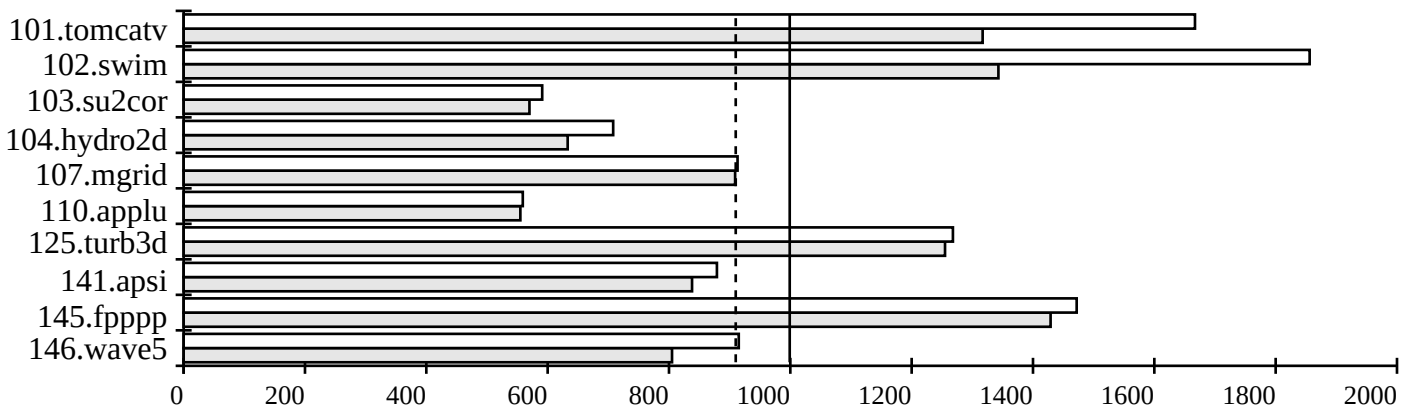
IBM Corporation
RS/6000 SP-222 MHz High Node (4 CPU)

SPECfp_rate95 = 999

SPECfp_rate_base95 = 910

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 (4 CPU)

Hardware

Model Name:	RS/6000 SP-222 MHz High Node (4 CPU)
CPU:	222 MHz POWER3
FPU:	Integrated
Number of CPU(s):	4
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	4	101	1317	4	80	1667
102.swim	4	231	1343	4	167	1856
103.su2cor	4	88.4	570	4	85	591
104.hydro2d	4	137	633	4	122	708
107.mgrid	4	99.0	909	4	99	913
110.applu	4	143	555	4	142	559
125.turb3d	4	118	1255	4	116	1268
141.apsi	4	90.2	838	4	86	879
145.fpppp	4	242	1429	4	235	1472
146.wave5	4	134	805	4	118	915
SPECfp_rate_base95 (G. Mean)			910			
SPECfp_rate95 (G. Mean)						999

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
```

For More Information Contact: SPEC info@spec.org http://www.spec.org/

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