SPEC CFP95rate Results

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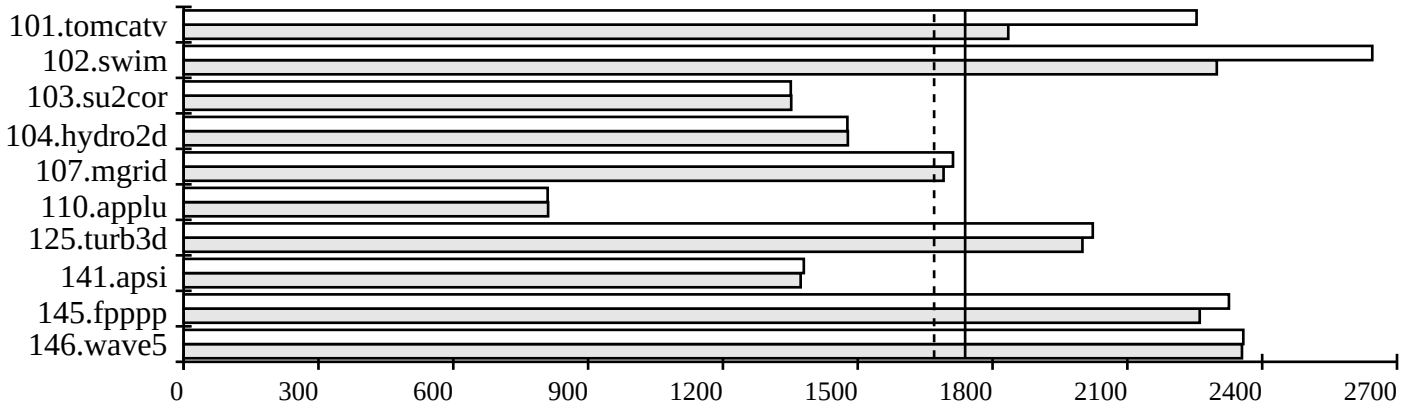
IBM Corporation
RS/6000 SP-375MHz High Node (4 CPU)

SPECfp_rate95 = 1739

SPECfp_rate_base95 = 1670

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 (4 CPU)

Hardware

Model Name:	RS/6000 SP-375MHz High Node (4 CPU)
CPU:	375MHz POWER3-II
FPU:	Integrated
Number of CPU(s):	4
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	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	4	72.6	1835	4	59	2254
102.swim	4	135	2299	4	117	2645
103.su2cor	4	37.3	1352	4	37	1351
104.hydro2d	4	58.5	1478	4	59	1477
107.mgrid	4	53.2	1691	4	53	1712
110.applu	4	97.7	811	4	98	810
125.turb3d	4	73.8	2000	4	73	2023
141.apsi	4	55.1	1373	4	55	1380
145.fpppp	4	153	2261	4	149	2326
146.wave5	4	45.9	2355	4	46	2358
SPECfp_rate_base95 (G. Mean)			1670			
SPECfp_rate95 (G. Mean)						1739

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 12 were disabled via the service processor setup menu.
```

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