SPEC CFP95rate Results

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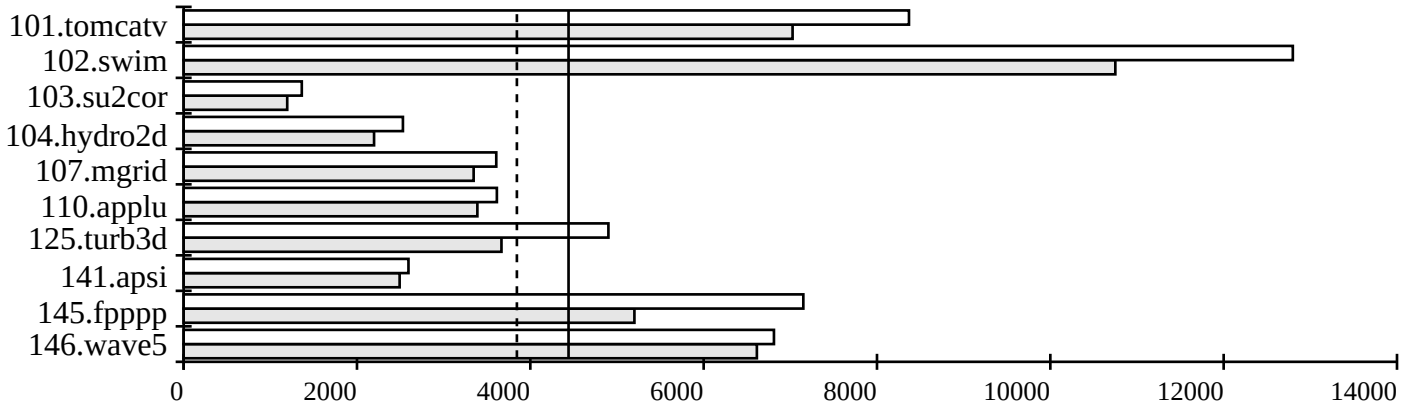
IBM Corporation
RISC System/6000 SP (32 120MHz Nodes)

SPECfp_rate95 = 4441

SPECfp_rate_base95 = 3845

SPEC license # 11 | Tested By: IBM, Poughkeepsie, NY | Test Date: Nov-96 | Hardware Avail: Nov-96 | Software Avail: Nov-96



Hardware/Software Configuration for:
RISC System/6000 SP (32 120MHz Nodes)

Hardware

Model Name:	RS/6000 SP (32 120MHz Nodes)
CPU:	120MHz P2SC Thin node
FPU:	Integrated
Number of CPU(s):	32
Primary Cache:	32KBI+128KBD on chip
Secondary Cache:	None
Other Cache:	None
Memory:	512MB(4 cards)
Disk Subsystem:	2x2.2GB
Other Hardware:	SP Switch

Software

Operating System:	AIX 4.1.5
Compiler:	XL Fortran version 4.1.0.1 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	32	152	7026	32	127	8369
102.swim	32	230	10750	32	194	12798
103.su2cor	32	337	1195	32	296	1363
104.hydro2d	32	315	2197	32	273	2530
107.mgrid	32	215	3346	32	200	3607
110.applu	32	187	3389	32	175	3614
125.turb3d	32	322	3667	32	241	4901
141.apsi	32	243	2492	32	233	2594
145.fpppp	32	532	5201	32	387	7150
146.wave5	32	131	6614	32	127	6811
SPECfp_rate_base95 (G. Mean)			3845			
			SPECfp_rate95 (G. Mean)			4441

Notes/Tuning Information

```
Base: -O3 -qarch=pwr2 -qhot -lmass
Peak
101: -qhot -O3 -qarch=pwr2 -Pv -Wp,-me -bnso -bI:/lib/syscalls.exp; fdpr -R3
102: -O3 -qarch=pwr2 -qstrict -qfloat=hsflt -Pv -Wp,-me -qpdf1/pdf2 -lmass
103: -O3 -qarch=pwr2 -qnosave -Pk -Wp,-ag=b,-inl,-ur=4,-ur2=300 -lmass
-bnso -bI:/lib/syscalls.exp; fdpr -R3
104: -O3 -qarch=pwr2 -qfloat=hsflt -Pk -Wp,-fuse -qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp;
fdpr -R2
107: -O3 -qtune=pwr2 -Pv -Wp,-e78 -bnso -bI:/lib/syscalls.exp; fdpr -R2
110: -O3 -qarch=pwr2 -qfloat=hsflt -Pk -Wp,-fuse; fdpr -R2
125: -O3 -qarch=pwr2 -Pv -Wp,-e78,-me -qpdf1/pdf2 -lmass; fdpr -R3
141: -O3 -qarch=pwr2 -qfloat=hsflt -Q -qnosave -Pk -Wp,-r=2,-ag=a -qpdf1/pdf2 -lmass
-bnso -bI:/lib/syscalls.exp
145: -qhot -O -qarch=pwr2 -Q -qnosave -Pv -Wp,-ea -lmass -bnso -bI:/lib/syscalls.exp;
fdpr -R3
146: -qhot -O3 -qarch=pwr2 -qfloat=hsflt -Q -Pk -Wp,-ag=a -lmass -bnso
-bI:/lib/syscalls.exp; fdpr -R3
```

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-- Prepared By: --