SPEC CFP95rate Results

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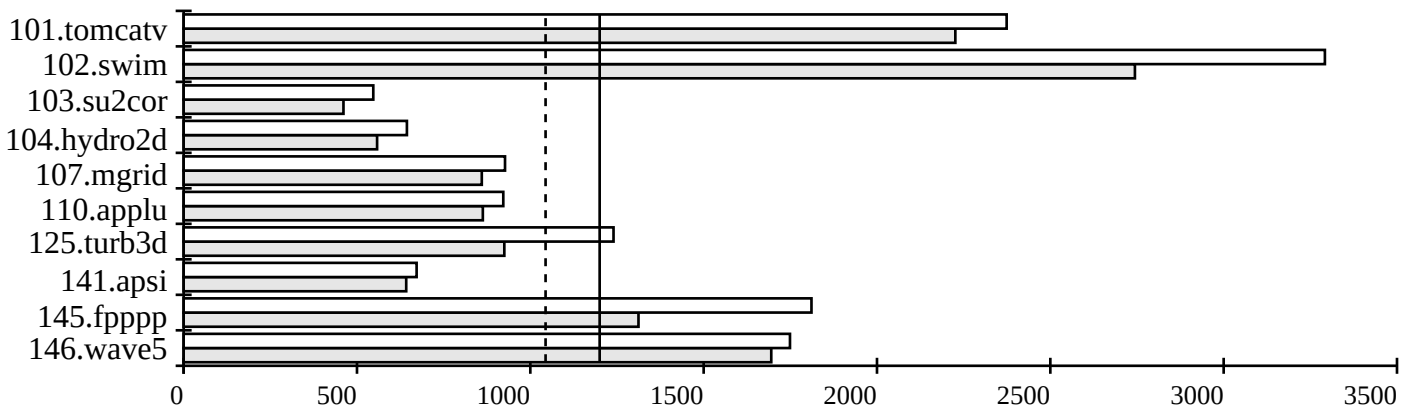
IBM Corporation
RISC System/6000 SP (8 120MHz Nodes)

SPECfp_rate95 = 1200

SPECfp_rate_base95 = 1044

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 (8 120MHz Nodes)

Hardware

Model Name:	RS/6000 SP (8 120MHz Nodes)
CPU:	120MHz P2SC Thin node
FPU:	Integrated
Number of CPU(s):	8
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	8	120	2226	8	112	2374
102.swim	8	226	2744	8	188	3292
103.su2cor	8	219	461	8	184	547
104.hydro2d	8	310	558	8	268	644
107.mgrid	8	209	860	8	194	927
110.applu	8	184	863	8	172	922
125.turb3d	8	319	925	8	238	1240
141.apsi	8	236	642	8	225	672
145.fpppp	8	527	1312	8	382	1811
146.wave5	8	127	1695	8	123	1749
SPECfp_rate_base95 (G. Mean)			1044			
SPECfp_rate95 (G. Mean)						1200

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: --