SPEC CFP95rate Results

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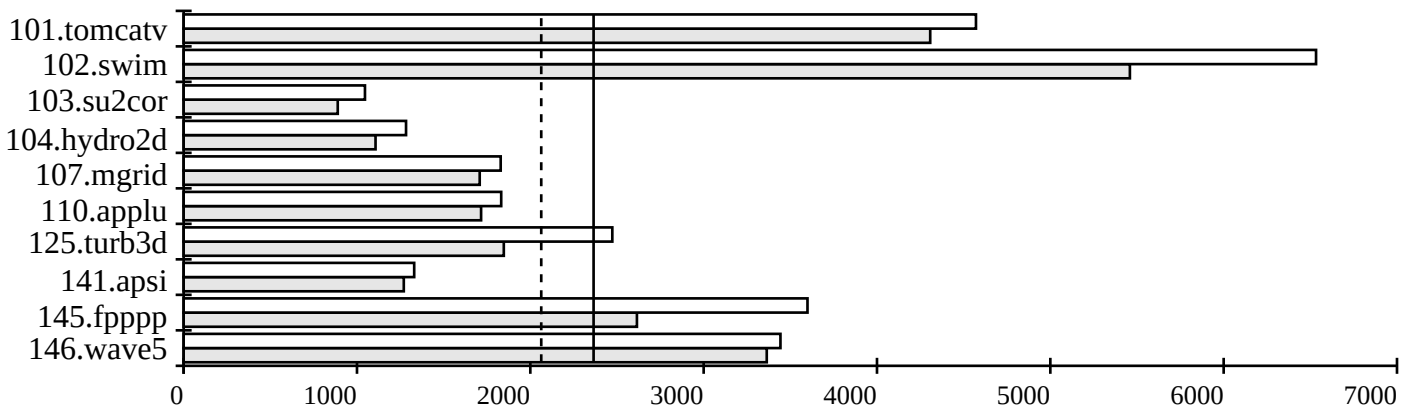
IBM Corporation
RISC System/6000 SP (16 120MHz Nodes)

SPECfp_rate95 = 2365

SPECfp_rate_base95 = 2063

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 (16 120MHz Nodes)

Hardware

Model Name:	RS/6000 SP (16 120MHz Nodes)
CPU:	120MHz P2SC Thin node
FPU:	Integrated
Number of CPU(s):	16
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	16	124	4307	16	117	4571
102.swim	16	227	5459	16	190	6533
103.su2cor	16	227	889	16	193	1046
104.hydro2d	16	312	1107	16	269	1283
107.mgrid	16	211	1708	16	197	1829
110.applu	16	185	1716	16	173	1832
125.turb3d	16	320	1847	16	239	2473
141.apsi	16	238	1270	16	227	1330
145.fpppp	16	529	2615	16	384	3599
146.wave5	16	128	3364	16	125	3443
SPECfp_rate_base95 (G. Mean)			2063			
SPECfp_rate95 (G. Mean)						2365

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: --