SPEC CFP95rate Results

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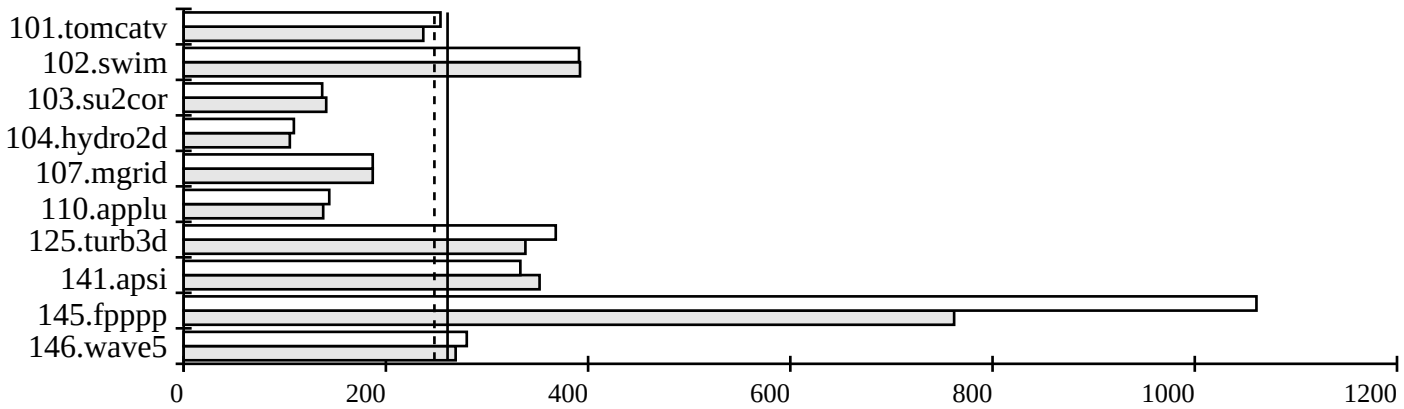
IBM Corporation
RS/6000 J50 & R50 (200MHz 6 Proc.)

SPECfp_rate95 = 261

SPECfp_rate_base95 = 248

SPEC license # 11	Tested By: IBM, Austin TX	Test Date: Mar-97	Hardware Avail: Apr-97	Software Avail: Apr-97



Hardware/Software Configuration for:
RS/6000 J50 & R50 (200MHz 6 Proc.)

Hardware

Model Name:	RS/6000 J50 & R50
CPU:	200 MHz PowerPC 604e
FPU:	Integrated
Number of CPU(s):	6
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	2MB(I+D) per CPU off chip
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1x4.5GB SCSI
Other Hardware:	None

Software

Operating System:	AIX 4.2.1
Compiler:	XL Fortran version 4.1.0.3 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	6	842	237	6	788	254
102.swim	6	1184	392	6	1188	391
103.su2cor	6	536	141	6	550	137
104.hydro2d	6	1229	105	6	1190	109
107.mgrid	6	723	187	6	721	187
110.applu	6	861	138	6	827	144
125.turb3d	6	655	338	6	602	368
141.apsi	6	322	352	6	341	333
145.fpppp	6	680	762	6	489	1061
146.wave5	6	602	269	6	579	280
SPECfp_rate_base95 (G. Mean)			248			
SPECfp_rate95 (G. Mean)						261

Notes/Tuning Information

```
Base: -O3 -qarch=ppc -qhot -lmass
Peak
101: -qhot -O3 -qarch=ppc -qnosave -Pv -Wp,-me -bnso -bI:/lib/syscalls.exp
102: -O3 -qarch=ppc -qhot -lmass
103: -O3 -qarch=ppc -qhot -qnosave -lmass -bnso -bI:/lib/syscalls.exp
104: -O3 -qarch=ppc -qfloat=hsflt -qfdpr -Pk -Wp,-fuse -qpdf1/pdf2 -bnso
-bI:/lib/syscalls.exp
107: -qhot -O3 -qarch=ppc -bnso -bI:/lib/syscalls.exp
110: -qhot -O3 -qarch=ppc -qfloat=hsflt -Q -lmass -bnso -bI:/lib/syscalls.exp
125: -O3 -qarch=ppc -qnosave -Pv -Wp,-e78,-me -lmass -bnso -bI:/lib/syscalls.exp
141: -O3 -qarch=ppc -qhot -lmass -bnso -bI:/lib/syscalls.exp
145: -qhot -O3 -qarch=ppc -Q -qfloat=hsflt -Pv -Wp,-ea,-g1 -lmass -bnso
-bI:/lib/syscalls.exp; fdpr -R3
146: -O3 -qarch=ppc -qfloat=hsflt -Q -Pk -Wp,-ag=a -lmass -bnso -bI:/lib/syscalls.exp
```

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