SPEC CFP95rate Results

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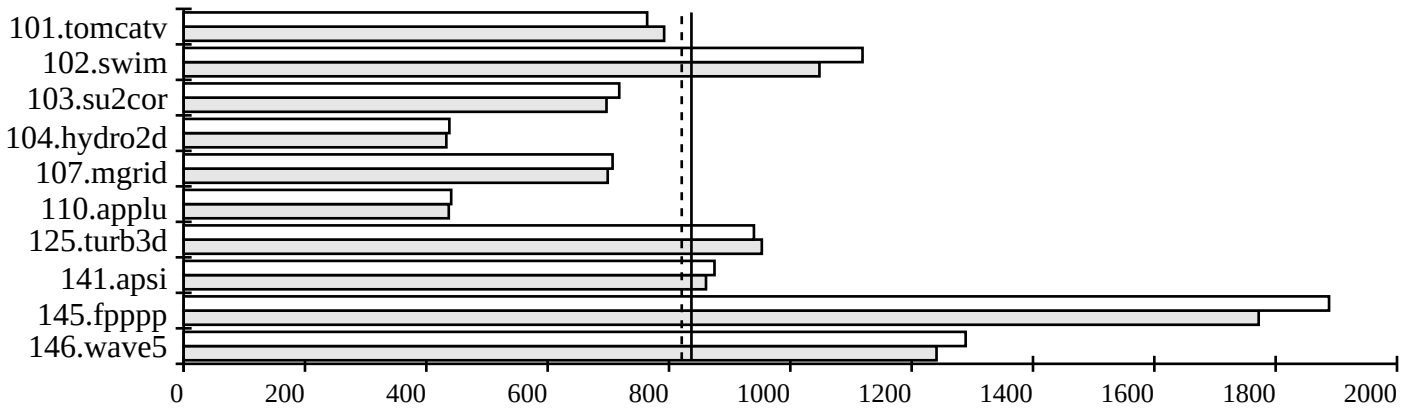
IBM Corporation
RS/6000 Model 7026-F80 (4 CPU)

SPECfp_rate95 = 837

SPECfp_rate_base95 = 821

SPEC license # 11 | Tested By: IBM, Austin, TX | Test Date: Apr-2000 | Hardware Avail: Jun-2000 | Software Avail: May-2000



Hardware/Software Configuration for:
RS/6000 Model 7026-F80 (4 CPU)

Hardware

Model Name:	RS/6000 Model 7026-F80 (4 CPU)
CPU:	450MHz IBM PowerPC RS64-III
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	128KBI+128KBD on chip
Secondary Cache:	4MB(I+D) (off chip, per CPU)
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2X18.2GB Ultra SCSI, 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3 plus APAR IY09807
Compiler:	XL Fortran version 6.1.0.0 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	4	168	792	4	174	764
102.swim	4	295	1048	4	277	1119
103.su2cor	4	72.3	697	4	70	718
104.hydro2d	4	199	433	4	197	438
107.mgrid	4	129	699	4	127	707
110.applu	4	181	437	4	179	441
125.turb3d	4	155	953	4	157	940
141.apsi	4	87.8	861	4	86	875
145.fpppp	4	195	1772	4	183	1888
146.wave5	4	87.1	1241	4	84	1289
SPECfp_rate_base95 (G. Mean)			821			
SPECfp_rate95 (G. Mean)						837

Notes/Tuning Information

```
Base: -O4 -qipa=level=2 -qarch=pwr3 -lmass
Peak:
101: -O4 -qarch=pwr3 -qipa=level=2 -lmass
102: -O3 -qarch=pwr3 -qtune=pwr3 -qipa=level=2:noobject -qhot -qstrict -qpdf1/pdf2 -lmass
103: -O3 -qarch=pwr3 -qtune=pwr3 -qipa=level=2:noobject -qhot=arraypad=44
.    -Pv -Wp,-ew,-o -lmass -bnso -bI:/lib/syscalls.exp
104: -O4 -qipa=level=2 -qarch=pwr3 -lmass
107: -O4 -qipa=level=2 -qarch=pwr3 -lmass
110: -O4 -qarch=pwr3 -qipa=level=2:noobject -lmass
125: -O3 -qarch=pwr3 -qtune=pwr3 -qipa=level=2:noobject -qnosave -lmass
141: -O3 -qhot -qtbtable=none -qarch=rs64b -qnosave -Pk -Wp,-r=2,-ag=b,-f
.    -lmass -bnso -bI:/lib/syscalls.exp
145: -O3 -Q -Pv -Wp,-ea27,-o -1 -qnosave -qmaxmem=-1 -qpdf1/2 -lmass
.    -bnso -bI:/lib/syscalls.exp
146: -O3 -qarch=pwr3 -Pk -Wp,-ag=a,-f -qxlf77=nopersistent -lmass
.    -bnso -bI:/lib/syscalls.exp
```