SPEC CFP95rate Results

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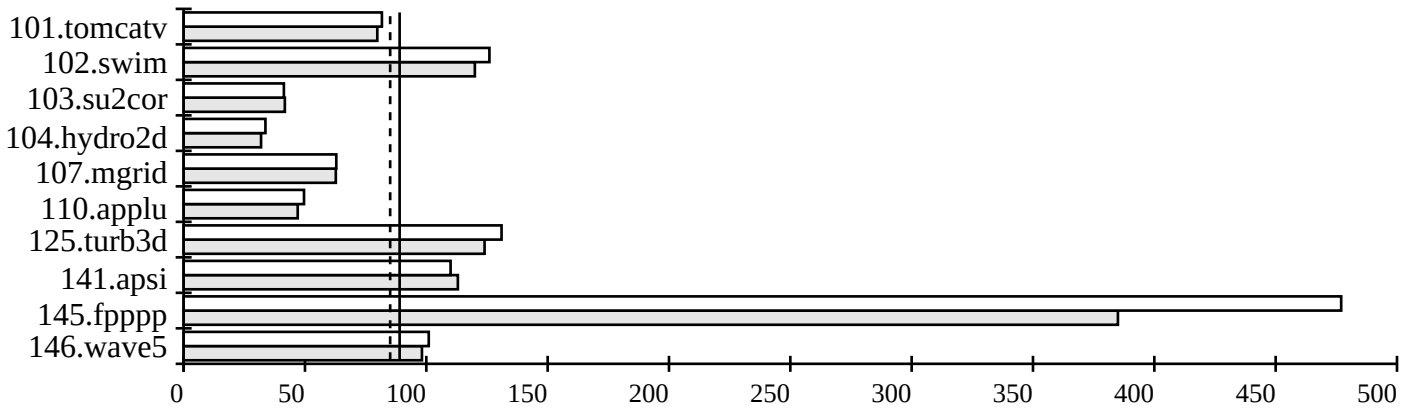
IBM Corporation
RS/6000 F40 (233MHz 2 CPU)

SPECfp_rate95 = 89.0

SPECfp_rate_base95 = 85.1

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Jan-2000	Hardware Avail: May-1997	Software Avail: Feb-2000



Hardware/Software Configuration for:
RS/6000 F40 (233MHz 2 CPU)

Hardware

Model Name:	RS/6000 F40 (233MHz 2 CPU)
CPU:	233MHz PowerPC 604e
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	32KBI+32KBD (on chip)
Secondary Cache:	1MB (off chip)
Other Cache:	None
Memory:	256MB
Disk Subsystem:	1x4.5GB Fast/Wide SCSI
Other Hardware:	None

Software

Operating System:	AIX 4.3.3
Compiler:	XL Fortran version 6.1.0.0 KAP version 3.2 VAST-2 version 4.01X8
File System:	AIX/JFS
System State:	Multiuser

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	2	834	79.8	2	815	81.7
102.swim	2	1293	120	2	1225	126
103.su2cor	2	604	41.7	2	610	41.3
104.hydro2d	2	1352	31.9	2	1283	33.7
107.mgrid	2	718	62.7	2	715	62.9
110.applu	2	842	47.0	2	798	49.6
125.turb3d	2	596	124	2	563	131
141.apsi	2	335	113	2	344	110
145.fpppp	2	448	385	2	362	477
146.wave5	2	550	98.2	2	534	101
SPECfp_rate_base95 (G. Mean)			85.1			
SPECfp_rate95 (G. Mean)						89.0

Notes/Tuning Information

```
Base: -O4 -qipa=level=2 -qhsflt -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: -qtbtable=none -O3 -qarch=ppc -qfloat=hsflt -qnosave -qpdf1/pdf2 -Pk -Wp,
-fuse,-r=3,-inl,-ur=2,-ur2=150,-f
107: -O4 -qipa=level=2 -qhsflt -lmass
110: -qipa=level=2:partition=large -qtbtable=none -Q -O3 -qfloat=hsflt -qnosave
-Pk -Wp,-fuse,-ur=4,-ur2=150,-r=2,-lm=5,-f -qpdf1/pdf2 -lmass; fdpr -R2
110: -qipa=level=2 -qmaxmem=-1 -O3 -qarch=ppc -Pv -Wp,-me,-o -lmass
141: -O3 -qarch=ppc -qhot -lmass -bnso -bI:/lib/syscalls.exp
145: -qhot -O3 -Q -qfloat=hsflt -Pv -Wp,-ea27,-o -1 -qlog4 -qnosave -qmaxmem=-1
-qpdf1/pdf2 -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R3
146: -O3 -qarch=ppc -qfloat=hsflt -Q -Pk -Wp,-ag=a,-f -lmass -bnso
-bI:/lib/syscalls.exp; fdpr -R2
Note: The Software Availability date of Feb-2000 refers to the system firmware.
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For More Information Contact: SPEC info@spec.org http://www.spec.org/