SPEC CFP95rate Results

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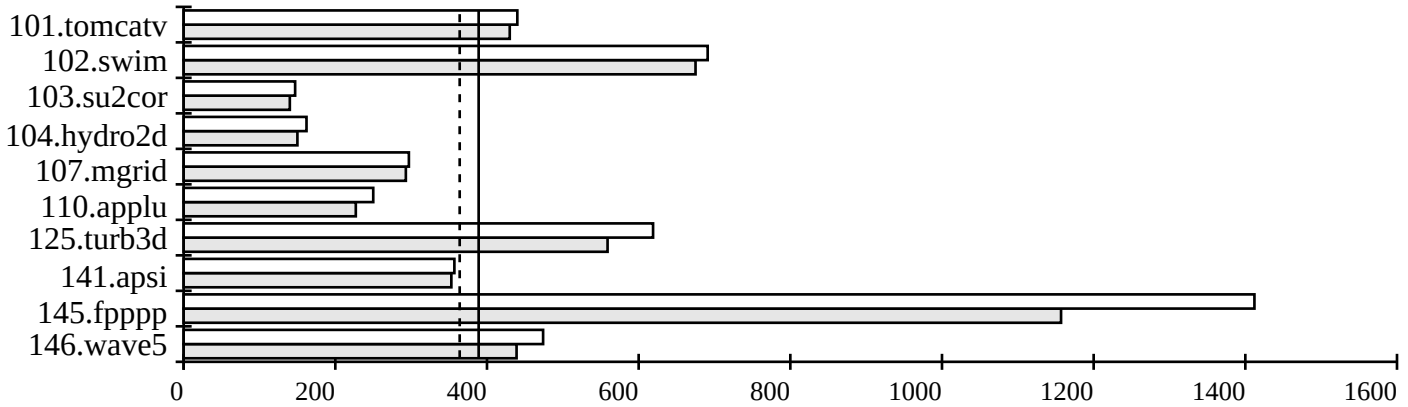
IBM Corporation
RISC System/6000 H50 (4 CPU)

SPECfp_rate95 = 389

SPECfp_rate_base95 = 364

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Jul-99	Hardware Avail: Feb-98	Software Avail: Nov-98



Hardware/Software Configuration for:
RISC System/6000 H50 (4 CPU)

Hardware

Model Name:	RS/6000 H50 (4 CPU)
CPU:	332 MHz PowerPC 604e
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	32KBI+32KBD on chip
Secondary Cache:	256KB(I+D) off chip
Other Cache:	None
Memory:	2 GB
Disk Subsystem:	6x2.2GB
Other Hardware:	None

Software

Operating System:	AIX 4.3.2
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	310	430	4	303	440
102.swim	4	459	675	4	448	691
103.su2cor	4	360	140	4	342	147
104.hydro2d	4	575	150	4	535	162
107.mgrid	4	307	293	4	303	297
110.applu	4	349	227	4	317	250
125.turb3d	4	264	559	4	238	619
141.apsi	4	214	353	4	211	357
145.fpppp	4	299	1157	4	245	1412
146.wave5	4	246	439	4	228	474
SPECfp_rate_base95 (G. Mean)			364			
			SPECfp_rate95 (G. Mean)			389

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
125: -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
```

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