SPEC CFP95rate Results

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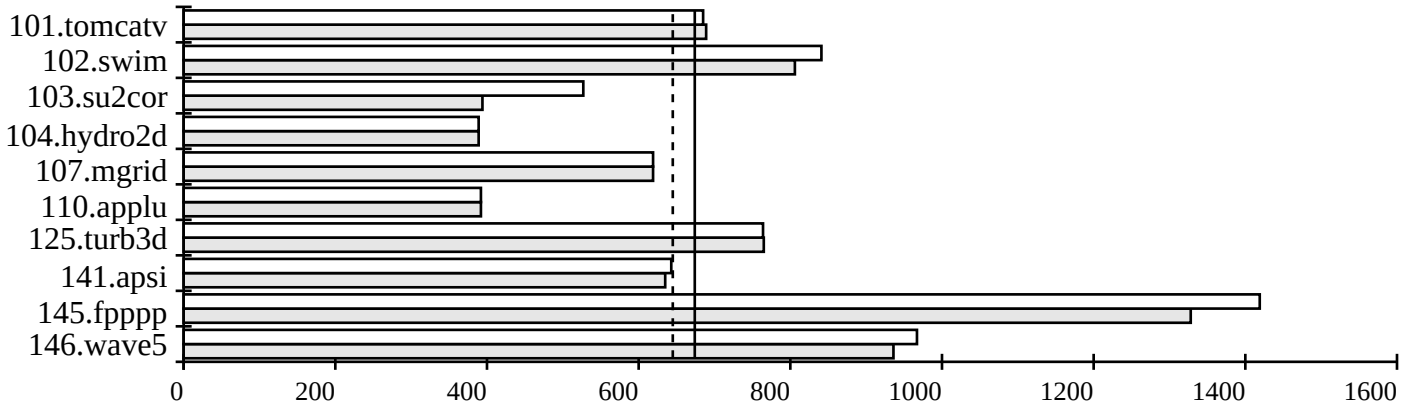
IBM Corporation
RISC System/6000 H70 (4 CPU)

SPECfp_rate95 = 674

SPECfp_rate_base95 = 645

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



Hardware/Software Configuration for:
RISC System/6000 H70 (4 CPU)

Hardware

Model Name:	RS/6000 H70 (4 CPU)
CPU:	340 MHz PowerPC RS64-II
FPU:	Integrated
Number of CPU(s):	4
Primary Cache:	64KBI+64KBD on chip
Secondary Cache:	4MB(I+D) off chip
Other Cache:	None
Memory:	2496 MB
Disk Subsystem:	2x4.5GB
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	193	689	4	195	685
102.swim	4	384	806	4	368	841
103.su2cor	4	128	394	4	96	527
104.hydro2d	4	222	389	4	222	389
107.mgrid	4	145	619	4	145	619
110.applu	4	202	392	4	202	392
125.turb3d	4	193	765	4	193	764
141.apsi	4	119	635	4	118	643
145.fpppp	4	260	1328	4	244	1419
146.wave5	4	115	936	4	112	967
SPECfp_rate_base95 (G. Mean)			645			
SPECfp_rate95 (G. Mean)						674

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
```

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-- Prepared By: --