SPEC CFP95rate Results

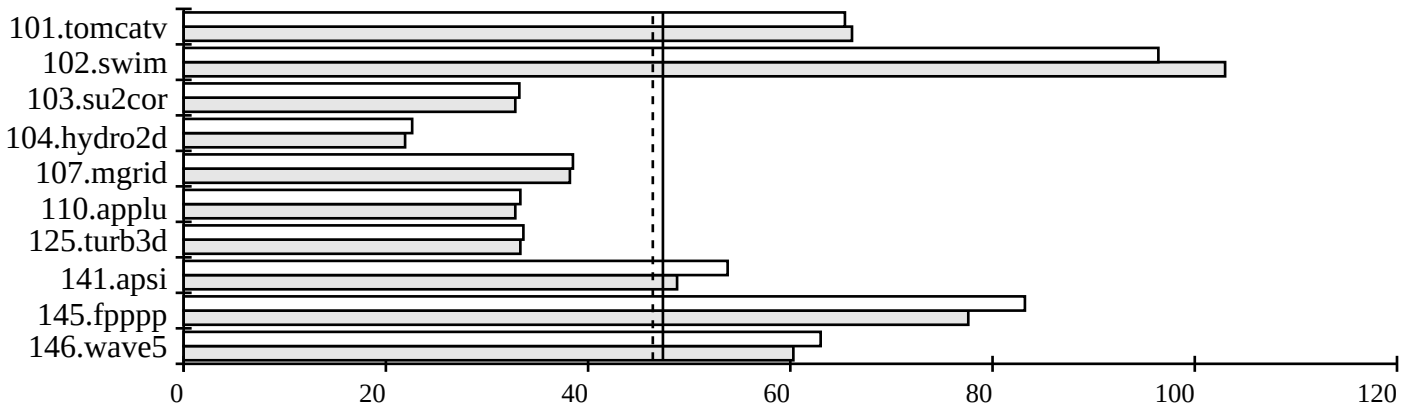
©Copyright 1995, Standard Performance Evaluation Corporation

IBM Corporation
RISC System/6000 J30

SPECfp_rate95 = 47.4

SPECfp_rate_base95 = 46.4

SPEC license # 11	Tested By: IBM, Austin TX	Test Date: Jan-96	Hardware Avail: Sep-95	Software Avail: Dec-95



Hardware/Software Configuration for:
RISC System/6000 J30

Hardware

Model Name:	RISC System/6000 J30
CPU:	75MHz PowerPC 601
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	32KB(I+D) on chip
Secondary Cache:	1MB(I+D) off chip per cpu
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2 x 2.2 GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	IBM XL Fortran/6000 3.2.2.2
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	2	1007	66.1	2	1018	65.4
102.swim	2	1508	103	2	1605	96.4
103.su2cor	2	768	32.8	2	760	33.2
104.hydro2d	2	1976	21.9	2	1909	22.6
107.mgrid	2	1179	38.2	2	1170	38.5
110.applu	2	1206	32.8	2	1188	33.3
125.turb3d	2	2218	33.3	2	2195	33.6
141.apsi	2	774	48.8	2	702	53.8
145.fpppp	2	2228	77.6	2	2076	83.2
146.wave5	2	895	60.3	2	857	63.0
SPECfp_rate_base95 (G. Mean)			46.4			
			SPECfp_rate95 (G. Mean)			47.4

Notes/Tuning Information

```
Baseline: -O3 -qarch=ppc -qhsflt -lmass
Peak: all used -qarch=ppc -qhsflt -pdf1/pdf2 -bnso -bI:/lib/syscalls.ex
101: -O3
102: -O  -qnosave -Pk -Wp,-ag=a,-ur2=133
103: -O3
104: -O3 -qnosave -qipa -Pv -Wp,-ea478
107: -O3 -Pv -Wp,-ea478
110: -O3 -qhot -Q=300
125: -O3 -qipa -Pv -Wp,-ew,-me
141: -O3 -qnosave -Pk -Wp,-ur2=133,-ag=a
145: -O3 -qnofold -Pv -Wp,-ew,-me
146: -O3 -Pk -Wp,-ur2=200,-ag=a
Extra Software: KAP for IBM Fortran and VAST/2 for IBM Fortran
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org