SPEC CFP95rate Results

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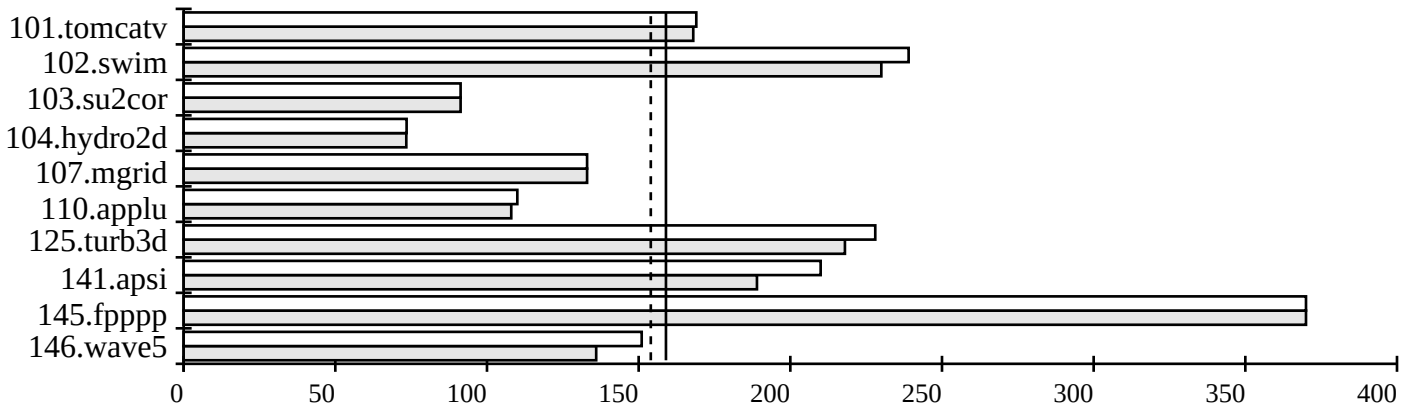
IBM Corporation
RISC System/6000 J40(6 CPUs)

SPECfp_rate95 = 159

SPECfp_rate_base95 = 154

SPEC license # 11	Tested By: IBM, Austin TX	Test Date: Jun-96	Hardware Avail: Aug-96	Software Avail: Apr-96



Hardware/Software Configuration for:
RISC System/6000 J40(6 CPUs)

Hardware

Model Name:	RISC System/6000 J40(6 CPUs)
CPU:	112MHz PowerPC 604
FPU:	Integrated
Number of CPU(s):	6
Primary Cache:	16KBI + 16KBD
Secondary Cache:	1MB(I+D) per cpu
Other Cache:	None
Memory:	1GB
Disk Subsystem:	2 x 2.1GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	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	6	1191	168	6	1185	169
102.swim	6	2016	230	6	1944	239
103.su2cor	6	828	91.3	6	828	91.3
104.hydro2d	6	1765	73.4	6	1764	73.5
107.mgrid	6	1015	133	6	1018	133
110.applu	6	1098	108	6	1079	110
125.turb3d	6	1018	218	6	972	228
141.apsi	6	600	189	6	540	210
145.fpppp	6	1403	370	6	1403	370
146.wave5	6	1193	136	6	1072	151
SPECfp_rate_base95 (G. Mean)			154			
SPECfp_rate95 (G. Mean)						159

Notes/Tuning Information

```
Baseline: -O3 -qarch=ppc -qhsflt -lmass
Peak: all used -qarch=ppc -qhsflt -pdf1/pdf2 -bnso -bI:/lib/syscalls.ex
101: same as baseline
102: -O  -qnosave -Pk -Wp,-ag=a,-ur2=133
103: same as baseline
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: same as baseline
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

-- Prepared By: --