SPEC CFP95rate Results

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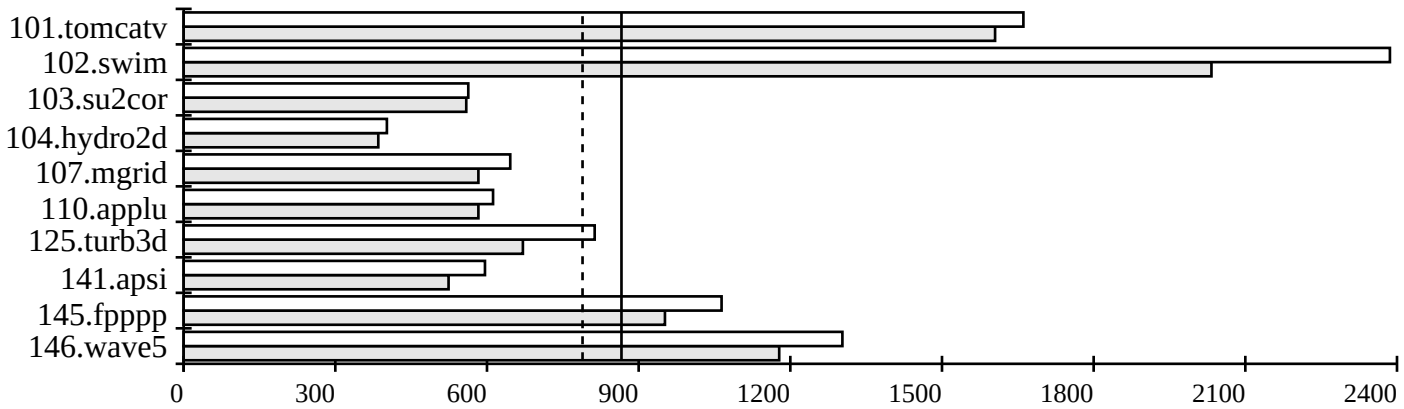
IBM Corp.
IBM RISC System/6000 Scalable POWERparallel Systems

SPECfp_rate95 = 866

SPECfp_rate_base95 = 789

SPEC license # 11 | Tested By: IBM Poughkeepsie | Test Date: Oct-95 | Hardware Avail: Sep-95 | Software Avail: Sep-95



SPECrate

Hardware/Software Configuration for:
IBM RISC System/6000 Scalable POWERparallel Systems

Hardware

Model Name:	IBM RS/6000 SP
CPU:	77MHz POWER
FPU:	Integrated
Number of CPU(s):	8
Primary Cache:	32KBI + 256KBD on chip per node
Secondary Cache:	None
Other Cache:	None
Memory:	256 MB per node
Disk Subsystem:	1 x 1.1 GB per node
Other Hardware:	3 x 2.2 GB disks

Software

Operating System:	AIX Vers. 4.1.3
Compiler:	IBM XL Fortran/6000 Vers. 3.2.2.0
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	8	166	1605	8	160	1661
102.swim	8	305	2033	8	260	2386
103.su2cor	8	180	559	8	179	563
104.hydro2d	8	449	385	8	429	402
107.mgrid	8	309	583	8	279	646
110.applu	8	272	583	8	259	612
125.turb3d	8	440	671	8	363	813
141.apsi	8	289	524	8	254	596
145.fpppp	8	726	952	8	650	1064
146.wave5	8	183	1178	8	166	1303
SPECfp_rate_base95 (G. Mean)			789			
SPECfp_rate95 (G. Mean)						866

Notes/Tuning Information

```
Base: -O3 -qarch=pwrx -qhsflt -lmass
Peak: all used -qpdf1/pdf2
101: -O3 -qarch=pwr2 -qhsflt -Pk -Wp,-ag=a -lmass
102: -O3 -qarch=pwr2 -qstrict -qhsflt -Pv -Wp,-me -lmass
103: -O3 -qarch=pwr2 -qhsflt -qnosave -Pv -Wp,-me -lmass
104: -O3 -qarch=pwr2 -qhsflt -qnosave -qrndsngl -qintlog -qipa -Pv -W
107: -O3 -qtune=pwr2 -qhsflt -Pv -Wp,-ea2478 -lmass
110: -O -qarch=pwr -qtune=pwr2 -qnofold -qhsflt -Pk -Wp,-r=2,-ur2=111
125: -O3 -qarch-pwr2 -qhsflt -Pv -Wp,-ew,-me -lmass
141: -O3 -qarch=pwr2 -qhsflt -Q -qnosave -Pk -Wp,-r=2,-ur2=133,-ag=a
145: -O -qarch=pwr2 -Q -qhsflt -qnosave -Pv -Wp,-me -lmass
146: -O3 -qarch=pwr2 -qhsflt -qdpc -Q -Pk -Wp,-ur2=133,-ag=a -lmass

KAP for IBM Fortran     VAST/2 for IBM Fortran
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For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 22110
(703) 331-0180
info@specbench.org
http://www.specbench.org