SPEC CFP95rate Results

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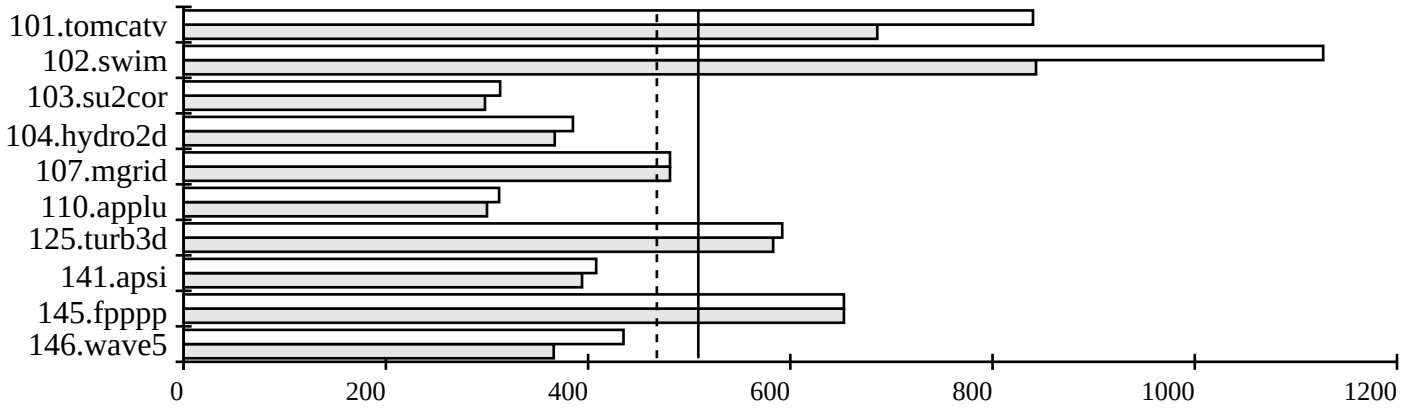
IBM Corporation
RISC System/6000 43P-260 (2 CPU)

SPECfp_rate95 = 509

SPECfp_rate_base95 = 468

SPEC license # 11 | Tested By: IBM, Austin, TX | Test Date: Sep-98 | Hardware Avail: Oct-98 | Software Avail: Oct-98



Hardware/Software Configuration for:
RISC System/6000 43P-260 (2 CPU)

Hardware

Model Name:	RS/6000 43P-260 (2 CPU)
CPU:	200 MHz POWER3
FPU:	Integrated
Number of CPU(s):	2
Primary Cache:	32KB I + 64KB D (on chip)
Secondary Cache:	4MB unified (off chip)
Other Cache:	None
Memory:	512 MB
Disk Subsystem:	1 x 9.1GB, 2 x 4.5GB
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.2
Compiler:	XL Fortran version 5.1.1.1 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	2	97.1	686	2	79	840
102.swim	2	184	843	2	137	1127
103.su2cor	2	84.5	298	2	81	313
104.hydro2d	2	118	367	2	112	385
107.mgrid	2	93.5	481	2	94	481
110.applu	2	132	300	2	127	312
125.turb3d	2	127	583	2	125	592
141.apsi	2	95.8	394	2	93	408
145.fpppp	2	265	653	2	264	653
146.wave5	2	148	366	2	124	435
SPECfp_rate_base95 (G. Mean)			468			
SPECfp_rate95 (G. Mean)						509

Notes/Tuning Information

```
Base: -O4 -qipa=level=2:noobject -lmass
Peak
101: -O4 -qipa=level=2:noobject -qhot=arraypad=52 -bnso -bI:/lib/syscalls.exp
102: -O4 -qipa=level=2:noobject -qhot=arraypad=28 -qstrict -qpdf1/pdf2 -lmass
103: -O4 -qipa=level=2:noobject -qhot=arraypad=44 -Pv -Wp,-ew,-o -lmass
:    -bnso -bI:/lib/syscalls.exp
104: -O3 -qarch=pwr3 -qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp
107: -O4 -qipa=level=2:noobject -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R2
110: -O4 -qipa=level=2:noobject -qnosave -lmass
125: -O4 -qipa=level=2:noobject -qnosave -lmass
141: -O3 -qhot -qtbtable=none -qarch=pwr3 -qnosave -lmass -bnso
:    -bI:/lib/syscalls.exp
145: -O4 -Q -Pv -Wp,-ea27,-o -1 -qnosave -qmaxmem=-1 -qpdf1/pdf2 -lmass
:    -bnso -bI:/lib/syscalls.exp
146: -O3 -qarch=pwr3 -Pk -Wp,-ag=a,-f -qxlf77=nopersistent -lmass
:    -bnso -bI:/lib/syscalls.exp
```

For More Information Contact:
SPEC
10754 Ambassador Drive, Suite 201
Manassas, VA 20109
(703) 331-0180
info@specbench.org
http://www.specbench.org/

-- Prepared By: Cloyce D. Spradling <cloyce@austin.ibm.com>