SPEC CFP95 Results

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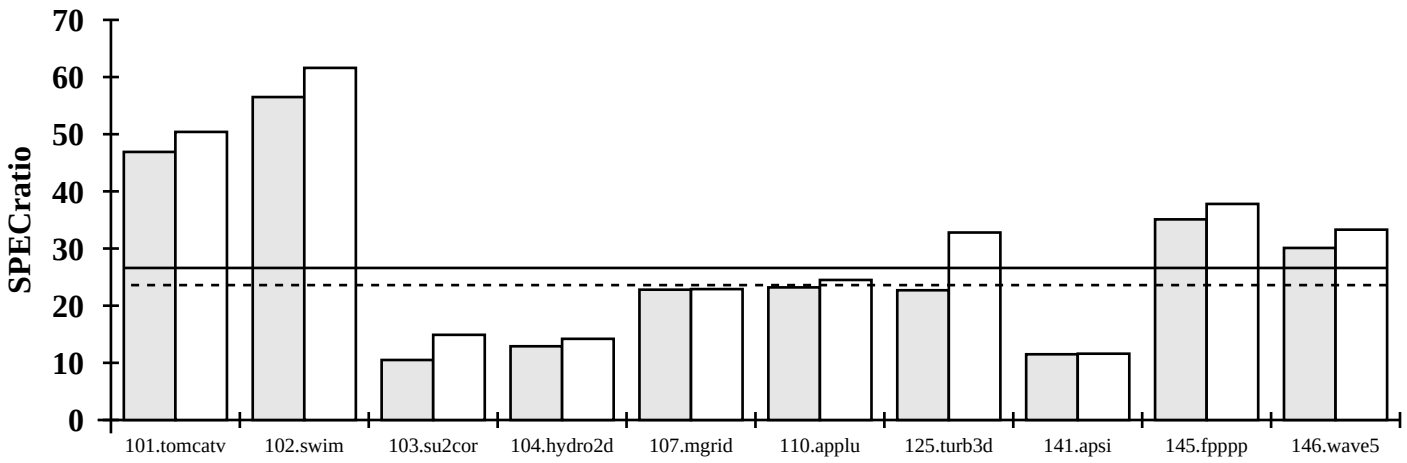
IBM Corporation
RISC System/6000 397

SPECfp95 = 26.6

SPECfp_base95 = 23.6

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Nov-97	Hardware Avail: Oct-97	Software Avail: Jan-98



Hardware/Software Configuration for:
RISC System/6000 397

Hardware

Model Name:	RS/6000 397
CPU:	160 MHz POWER2 Single Chip
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+128KBD on chip
Secondary Cache:	None
Other Cache:	None
Memory:	1GB
Disk Subsystem:	1x2.2GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.5
Compiler:	XL Fortran version 5.1 ptf KAP version 3.2 VAST-2 version 4.01X8
File System:	AIX/JFS
System State:	Multi-user

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
101.tomcatv	3700	79.0	46.9	73	50.4
102.swim	8600	152	56.5	140	61.6
103.su2cor	1400	133	10.5	94	14.9
104.hydro2d	2400	185	12.9	169	14.2
107.mgrid	2500	110	22.8	109	22.9
110.applu	2200	94.7	23.2	90	24.5
125.turb3d	4100	181	22.7	125	32.8
141.apsi	2100	183	11.5	181	11.6
145.fpppp	9600	274	35.1	254	37.8
146.wave5	3000	99.8	30.1	90	33.3
SPECfp_base95 (G. Mean)			23.6		
			SPECfp95 (G. Mean)		26.6

Notes/Tuning Information

```
Base: -O4 -qipa=level=2 -qfloat=hsflt -lmass
Peak
101: -qipa=level=2:partition=large -qnosave -qmaxmem=-1 -qhot -O3 -qarch=pwr2
-qfloat=hsflt -Pv -Wp,-me,-o -bnso -bI:/lib/syscalls.exp; fdpr -R3
102: -qipa=level=2 -O3 -qstrict -qarch=pwr2 -qfloat=hsflt -qnosave -Pv -Wp,-me,-ew,-o -qpdf1/pdf2 -lmass
103: -qipa=level=2 -qhot=arraypad=248 -O3 -qarch=pwr2 -qfloat=hsflt -qpdf1/pdf2 -lmass
-bnso -bI:/lib/syscalls.exp; fdpr -R3
104: -qtbtable=none -O3 -qarch=pwr2 -qfloat=hsflt -qnosave -qpdf1/pdf2
-Pk -Wp,-fuse,-r=3,-inl,-ur=2,-ur2=150,-f -bnso -bI:/lib/syscalls.exp; fdpr -R3
107: -qipa=level=2:partition=large -qtbtable=none -qalias=noaryovrlp
-qnosave -qmaxmem=-1 -qhot -O3 -qarch=pwr2 -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R2
110: -qipa=level=2:partition=large -qtbtable=none -Q -O3 -qarch=pwr2
-qfloat=hsflt -qnosave -Pk -Wp,-fuse,-ur=4,-ur2=150,-r=2,-lm=5,-f -qpdf1/pdf2 -lmass; fdpr -R2
125: -qipa=level=2 -qmaxmem=-1 -O3 -qarch=pwr2 -Pv -Wp,-me,-o -lmass
141: -qtbtable=none -O3 -qarch=pwr2 -qfloat=hsflt -Q -qnosave
-Pk -Wp,-r=2,-ag=b,-f -lmass -bnso -bI:/lib/syscalls.exp
145: -qhot -O3 -qarch=pwr2 -Q -qfloat=hsflt -Pv -Wp,-ea27,-o -1 -qlog4 -qnosave
-qmaxmem=-1 -qpdf1/pdf2 -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R3
146: -O3 -qarch=pwr2 -qfloat=hsflt -Q -Pk -Wp,-ag=a,-ur=2,-ur2=600,-f -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R3
```

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-- Prepared By: --