SPEC CFP95rate Results

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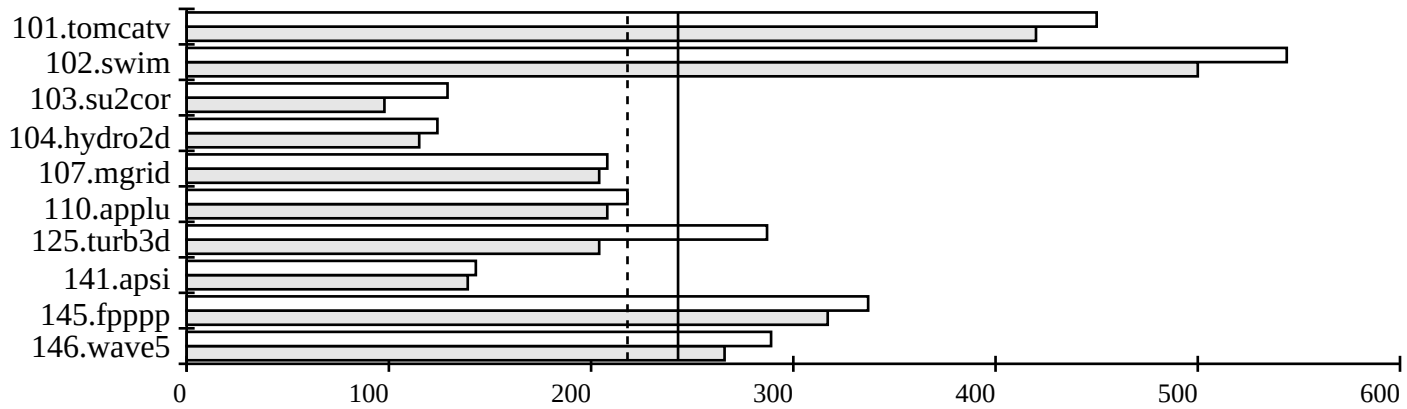
IBM Corporation
RISC System/6000 SP 1 160 Mhz nodes

SPECfp_rate95 = 243

SPECfp_rate_base95 = 218

SPEC license # 11	Tested By: IBM, Pougkeepsie, NY	Test Date: Feb-98	Hardware Avail: Oct-97	Software Avail: Dec-97



Hardware/Software Configuration for:
RISC System/6000 SP 1 160 Mhz nodes

Hardware

Model Name:	RS/6000 SP 1 160Mhz nodes
CPU:	160 MHz P2SC Thin node
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+128KBD on chip
Secondary Cache:	None
Other Cache:	None
Memory:	1GB (4 cards)
Disk Subsystem:	1x4.5GB (per node) 8x9.1GB 64k stripe (master node)
Other Hardware:	SP Switch

Software

Operating System:	AIX 4.2.1
Compiler:	XL Fortran version 5.1.0.1 KAP version 3.2 VAST-2 version 4.01X8
File System:	AIX/JFS, NFS v3
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	79.3	420	1	74	450
102.swim	1	155	500	1	142	544
103.su2cor	1	129	97.8	1	98	129
104.hydro2d	1	187	115	1	174	124
107.mgrid	1	110	204	1	108	208
110.applu	1	95.2	208	1	91	218
125.turb3d	1	181	204	1	128	287
141.apsi	1	136	139	1	132	143
145.fpppp	1	273	317	1	256	337
146.wave5	1	102	266	1	94	289
SPECfp_rate_base95 (G. Mean)			218			
			SPECfp_rate95 (G. Mean)			243

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 -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: -O4 -qipa=partition=large -qtbtable=none -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,-f -lmass -bnso -bI:/lib/syscalls.exp; fdpr -R3
Executables built on AIX 4.1.5
```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