SPEC CFP95 Results

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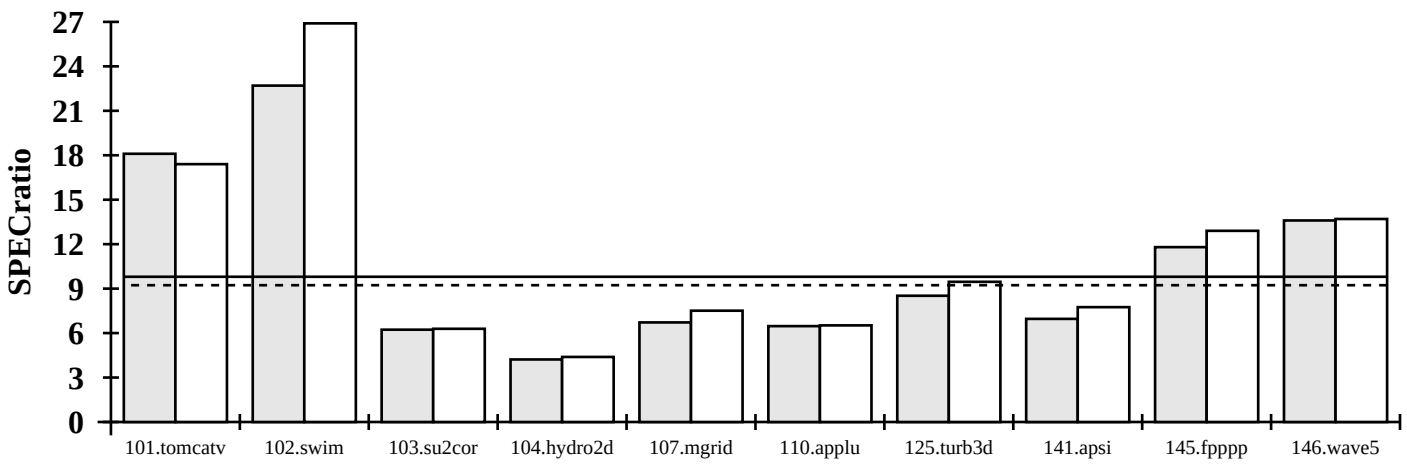
IBM Corporation
RISC System/6000 59H

SPECfp95 = 9.80

SPECfp_base95 = 9.23

SPEC license # 11	Tested By: IBM, Austin TX	Test Date: Jan-96	Hardware Avail: May-94	Software Avail: Dec-95



Hardware/Software Configuration for:
RISC System/6000 59H

Hardware

Model Name:	RISC System/6000 59H
CPU:	66.7MHz Power2
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+128KBD off chip
Secondary Cache:	1MB(I+D) off chip
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1 x 2.1 GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	IBM XL Fortran/6000 3.2.2.2
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	204	18.1	213	17.4
102.swim	8600	379	22.7	320	26.9
103.su2cor	1400	225	6.23	222	6.29
104.hydro2d	2400	569	4.22	547	4.39
107.mgrid	2500	372	6.72	333	7.51
110.applu	2200	340	6.47	337	6.52
125.turb3d	4100	481	8.52	433	9.46
141.apsi	2100	302	6.96	271	7.75
145.fpppp	9600	813	11.8	743	12.9
146.wave5	3000	221	13.6	219	13.7
SPECfp_base95 (G. Mean)			9.23		
		SPECfp95 (G. Mean)			9.80

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 -Wp,-me -lmass
107: -O3 -qtune=pwr2 -qhsflt -Pv -Wp,-ea2478 -lmass
110: -O -qarch=pwr -qtune=pwr2 -qnofold -qhsflt -Pk -Wp,-r=2,-ur2=111,-ag=a -lmass
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 -lmass
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 and VAST/2 for IBM Fortran
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