SPEC CFP95 Results

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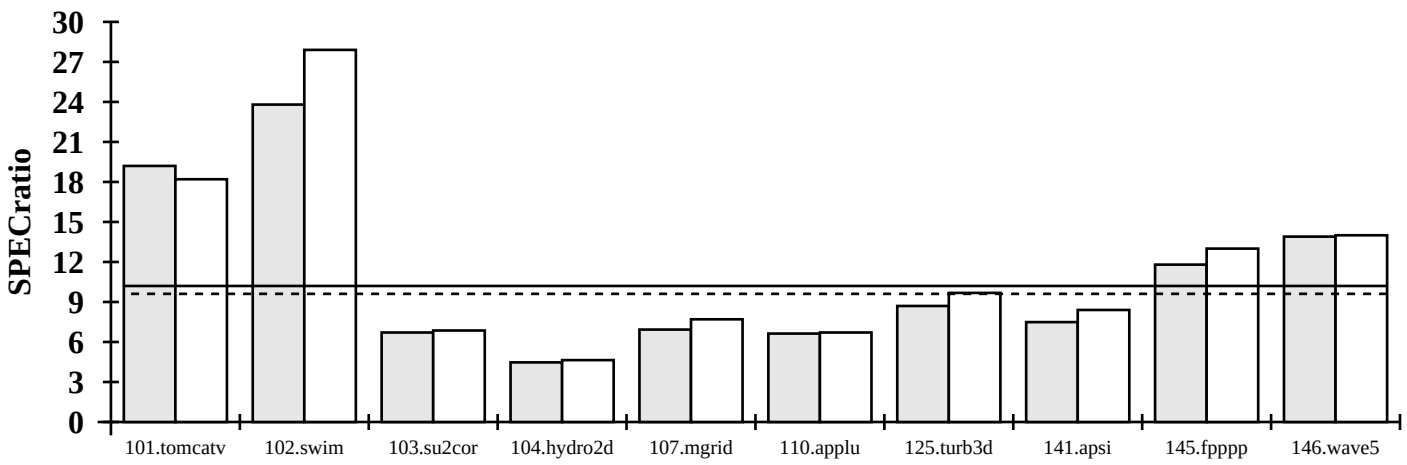
IBM Corporation
RISC System/6000 3CT/39H

SPECfp95 = 10.2

SPECfp_base95 = 9.61

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



Hardware/Software Configuration for:
RISC System/6000 3CT/39H

Hardware

Model Name:	RISC System/6000 3CT/39H
CPU:	67MHz Power2
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	32KBI+64KBD on chip
Secondary Cache:	2MB(I+D) off chip
Other Cache:	None
Memory:	64MB
Disk Subsystem:	1 x 2.1GB
Other Hardware:	None

Software

Operating System:	AIX 4.1.4
Compiler:	IBM XL Fortran Vers. 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	192	19.2	203	18.2
102.swim	8600	362	23.8	308	27.9
103.su2cor	1400	209	6.71	204	6.86
104.hydro2d	2400	537	4.47	517	4.64
107.mgrid	2500	361	6.93	325	7.70
110.applu	2200	332	6.63	328	6.71
125.turb3d	4100	471	8.70	424	9.68
141.apsi	2100	281	7.49	250	8.40
145.fpppp	9600	812	11.8	739	13.0
146.wave5	3000	216	13.9	214	14.0
SPECfp_base95 (G. Mean)			9.61		
		SPECfp95 (G. Mean)			10.2

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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