SPEC CINT95rate Results

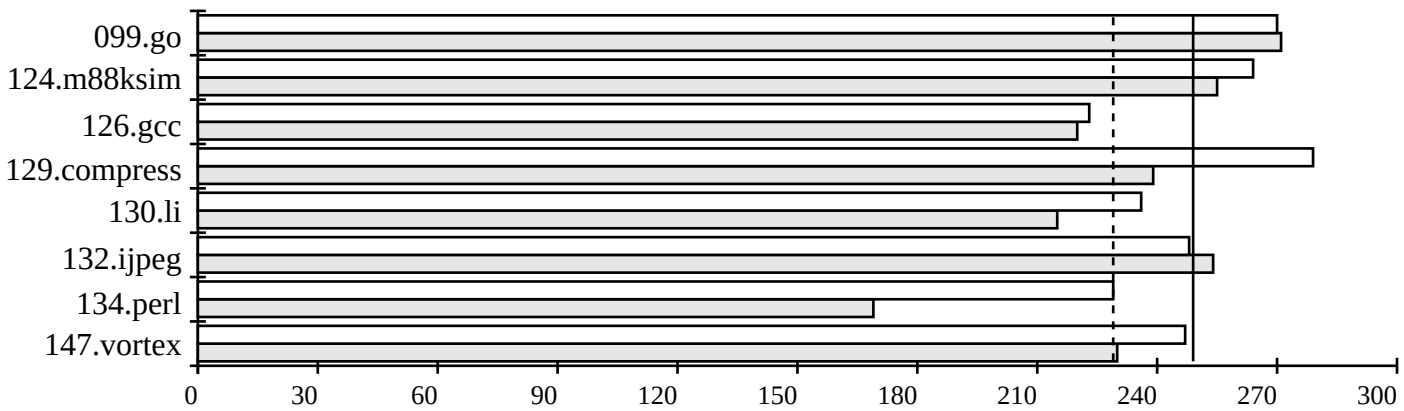
©Copyright 1995, Standard Performance Evaluation Corporation

IBM Corporation
RS/6000 SP-222 MHz High Node (2 CPU)

SPECint_rate95 = 249

SPECint_rate_base95 = 229

SPEC license # 11	Tested By: IBM, Austin, TX	Test Date: Oct-99	Hardware Avail: Oct-99	Software Avail: Sep-99



Hardware/Software Configuration for:
RS/6000 SP-222 MHz High Node (2 CPU)

Hardware

Model Name:	RS/6000 SP-222 MHz High Node (2 CPU)
CPU:	222 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:	8 GB
Disk Subsystem:	2 x 18.2GB
Other Hardware:	None

Software

Operating System:	AIX 4.3.3
Compiler:	IBM C/C++ 3.6.4.0
	memdbg 4.4.0.1
	FDPR
File System:	AIX/JFS
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
099.go	2	305	271	2	306	270
124.m88ksim	2	134	255	2	130	264
126.gcc	2	139	220	2	137	223
129.compress	2	136	239	2	116	279
130.li	2	159	215	2	145	236
132.ijpeg	2	170	254	2	174	248
134.perl	2	203	169	2	149	229
147.vortex	2	212	230	2	197	247
SPECint_rate_base95 (G. Mean)			229			
			SPECint_rate95 (G. Mean)			249

Notes/Tuning Information

```
Portability Flags: gcc -ma; perl -DI_TIME -DI_SYS_TIME
Base:   -O4 -Q=500 -qpdf1/pdf2 -lhmu
Peak
go:     -O -qarch=pwr3 -Q=500 -qansialias -qdatalocal -qassert=addr -qcompact -bnso -bI:/lib/syscalls.exp
m88:    -O3 -qarch=ppc -qipa=noobject -Q=500 -qansialias -qpdf1/pdf2
gcc:    -O -qarch=ppc -qdatalocal -qassert=addr -qinlglue -qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp
comp:   -O -qarch=ppc -qipa=level=2:noobject -qdatalocal -Q=200 -qassert=allp -qunroll=5
li:     -O4 -qipa=noobject -qlibansi -qpdf1/pdf2; fdpr -R3
ijpeg:  -O4 -qipa=noobject -qunroll=4 -qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp
perl:   -O4 -qipa=noobject -Q=200 -qinlglue -Dsetjmp=_setjmp -Dlongjmp=_longjmp -qansialias -qunroll=4
-qpdf1/pdf2 -bnso -bI:/lib/syscalls.exp /usr/ccs/lib/bmalloc.o
vort:   -O4 -qipa=level=2:noobject -Q=500 -qpdf1/pdf2 -lhm -lhu; fdpr -R2
```

For More Information Contact: SPEC info@spec.org http://www.spec.org/

-- Prepared By: David Whitworth <davidw@austin.ibm.com>