SPEC CINT95rate Results

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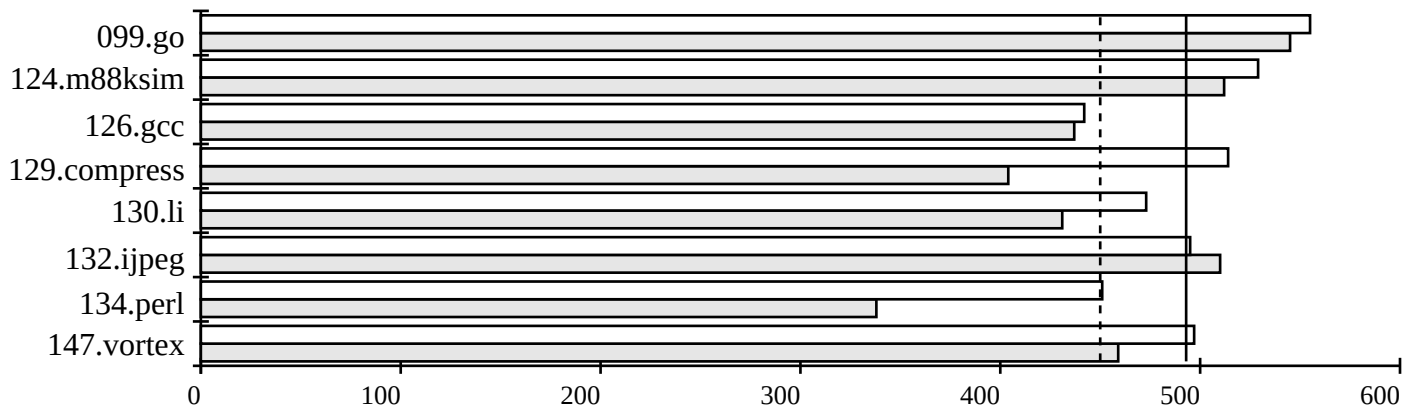
IBM Corporation
RS/6000 SP-222 MHz High Node (4 CPU)

SPECint_rate95 = 493

SPECint_rate_base95 = 450

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 (4 CPU)

Hardware

Model Name:	RS/6000 SP-222 MHz High Node (4 CPU)
CPU:	222 MHz POWER3
FPU:	Integrated
Number of CPU(s):	4
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	4	304	545	4	298	555
124.m88ksim	4	134	512	4	129	529
126.gcc	4	140	437	4	139	442
129.compress	4	160	404	4	126	514
130.li	4	159	431	4	145	473
132.ijpeg	4	169	510	4	174	495
134.perl	4	202	338	4	152	451
147.vortex	4	212	459	4	195	497
SPECint_rate_base95 (G. Mean)			450			
			SPECint_rate95 (G. Mean)			493

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/

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