CINT2000 Result

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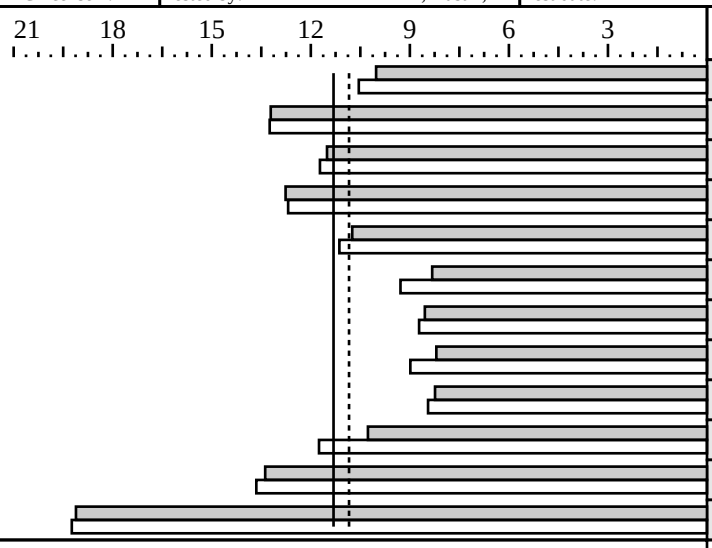
IBM Corporation
RS/6000 Model 7026-F80 (4 CPU)

SPECint_rate2000 = 11.3

SPECint_rate_base2000 = 10.8

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: Apr-2000 | Hardware Avail: Jun-2000 | Software Avail: May-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	648	10.0	4	616	10.5
175.vpr	4	492	13.2	4	490	13.2
176.gcc	4	443	11.5	4	435	11.7
181.mcf	4	654	12.8	4	658	12.7
186.crafty	4	432	10.7	4	417	11.1
197.parser	4	1003	8.32	4	900	9.28
252.eon	4	706	8.55	4	692	8.72
253.perlbmk	4	1019	8.20	4	930	8.99
254.gap	4	620	8.24	4	604	8.45
255.vortex	4	858	10.3	4	750	11.8
256.bzip2	4	520	13.4	4	510	13.6
300.twolf	4	728	19.1	4	724	19.2

Hardware

CPU:	IBM PowerPC RS64-III
CPU MHz:	450
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	4MB (I+D) (off chip, per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x18.2GB SCSI, 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3 plus APAR IY09807
Compiler:	C: IBM VAC 5.0.1 invoked as 'cc' C: except where noted as 'xlc' C++: IBM C++ 3.6.6.1 invoked as 'xlC'
File System:	AIX/JFS
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags:
  gcc: -ma -qlanglvl=ansi -DHOST_WORDS_BIG_ENDIAN
  crafty: -DAIX
  eon: -DNEED_EXPLICIT_SPECIALIZATION
  perlbmk: -DSPEC_CPU2000_AIX
  gap: -DSYS_IS_BSD -DSYS_STRING_H -DSYS_HAS_TIME_PROTO -DSYS_HAS_MALLOC_PROTO -DSYS -DSYS _HAS_CALLOC_PROTO
  twolf: -DHAVE_SIGNED_CHAR
NOTE: The flag combination 'qpdf1/qpdf2' indicates a 2 step compilation
     process, the exact process is as follows:
  fdo_pre0 = rm -rf ${PDFDIR}; mkdir -p ${PDFDIR}
  PASS1_FLAGS    =-qpdf1 {optimization flags}
  PASS1_LDFLAGS  ={libraries} -L{pdf library location} -lpdf
  PASS2_FLAGS    =-qpdf2 {optimization flags}
  PASS2_LDFLAGS  =-{libraries}
Base Flags:
  C: -O4 -lhmu
  C++: -qpdf1/pdf2 -O3 qarch=ppc qtune=rs64b
Peak Flags:
   164.gzip:   CC=xlc, -05 -qarch=ppc, fdpr -v -R3
   175.vpr:    CC=xlc, -qpdf1/pdf2 -O3 -qarch=rs64b -Q=500 -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
```

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Notes/Tuning Information (Continued)

```
176.gcc:    -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu, fdpr -v -R3
181.mcf:    -O4
186.crafty: -O4 -qarch=rs64b, fdpr -v -R3
197.parser: CC=xlc,-O4 -qarch=rs64b -bnso -bI:/lib/syscalls.exp, fdpr -v -R3 -q pdf1/pdf2
252.eon:    -qpdf1/pdf2 -O3 -qarch=ppc -qtune=pwr3 -lhmu, fdpr -v -R3
253.perlbmk:-qpdf1/pdf2 -O3 -qarch=rs64b -qdatalocal -qunroll=8 -lhmu, fdpr -v -R3
254.gap:    -O4 , fdpr -v -R3 -qarch=rs64b
255.vortex: -qpdf1/pdf2 -05 -Q=500 -lhmu
256.bzip2:  -O4 -qarch=rs64b, fdpr -v -R3
300.twolf:  CC=xlc,-O5 , fdpr -v -R3
```