CINT2000 Result

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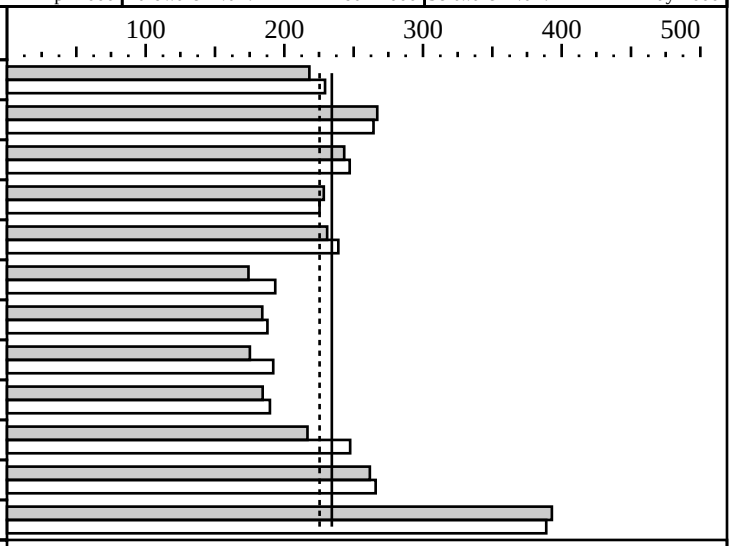
IBM Corporation
RS/6000 Model 7026-F80 (1 CPU)

SPECint2000 = 234

SPECint_base2000 = 225

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	642	218	610	229
175.vpr	1400	524	267	530	264
176.gcc	1100	452	243	445	247
181.mcf	1800	788	228	799	225
186.crafty	1000	433	231	419	239
197.parser	1800	1034	174	930	193
252.eon	1300	706	184	692	188
253.perlbmk	1800	1028	175	938	192
254.gap	1100	597	184	580	190
255.vortex	1900	877	217	768	247
256.bzip2	1500	573	262	564	266
300.twolf	3000	763	393	771	389



Hardware

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