CINT2000 Result

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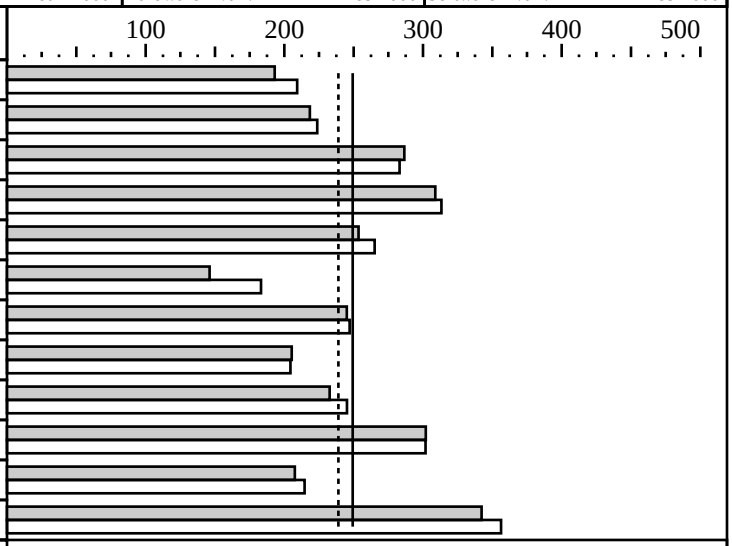
IBM Corporation
RS/6000 44P-170 (400 MHz)

SPECint2000 = 249

SPECint_base2000 = 239

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: Jan-2000 | Hardware Avail: Feb-2000 | Software Avail: Feb-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	725	193	669	209
175.vpr	1400	641	218	626	224
176.gcc	1100	384	287	389	283
181.mcf	1800	583	309	575	313
186.crafty	1000	394	254	377	265
197.parser	1800	1232	146	983	183
252.eon	1300	530	245	526	247
253.perlbmk	1800	877	205	881	204
254.gap	1100	473	233	449	245
255.vortex	1900	629	302	629	302
256.bzip2	1500	723	208	699	215
300.twolf	3000	877	342	842	356



Hardware

CPU:	Power3-II
CPU MHz:	400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	None
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	4MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	1GB
Disk Subsystem:	2x9.1GB IBM Fast/Wide SCSI 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3
Compiler:	C: IBM VAC 5.0 invoked as 'cc' 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_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  =<optimized libraries> -L<pdf library location> -lpdf
  PASS2_FLAGS    =-qpdf2 <optimization flags>
  PASS2_LDFLAGS  =-<optimized libraries>
Base Flags:
  C: -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu
  C++: -qpdf1/pdf2 -O3 qarch=ppc qtune=pwr3
Peak Flags:
  164.gzip: xlc -O5
  175.vpr: xlc -qpdf1/pdf2 -O3 -qarch=pwr3 -bnso -bI:/lib/syscalls.exp
```

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Notes/Tuning Information (Continued)

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176.gcc: -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu
181.mcf: xlc -qpdf1/pdf2 -O5 -bnso -bI:/lib/syscalls.exp
186.crafty: xlc -qpdf1 -O3 -Q=500 -qarch=pwr3
197.parser: xlc -O5 -qipa=partition=large -bnso -bI:/lib/syscalls.exp
252.eon: -qpdf1/pdf2 -O3 -qarch=ppc -qtune=pwr3 -lhmu
253.perlbmk: -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu
254.gap: -O5 -qansialias -lhmu
255.vortex: -qpdf1/pdf2 -O5 -Q=500
256.bzip2: xlc -O3 -qarch=pwr3 -lhmu
300.twolf: xlc -O5 -Q=500 -lhmu
```