CINT2000 Result

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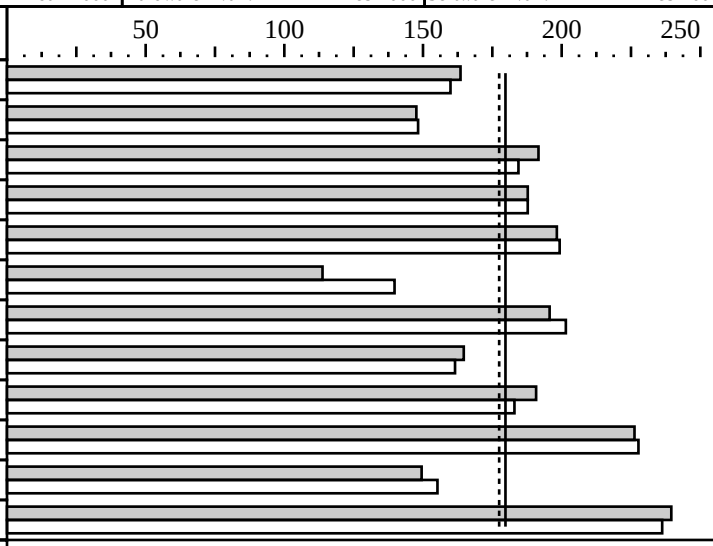
IBM Corporation
RS/6000 44P-170 (333 MHz)

SPECint2000 = 180

SPECint_base2000 = 177

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	856	164	875	160
175.vpr	1400	948	148	944	148
176.gcc	1100	574	192	596	184
181.mcf	1800	959	188	959	188
186.crafty	1000	504	198	502	199
197.parser	1800	1582	114	1288	140
252.eon	1300	664	196	645	202
253.perlbmk	1800	1093	165	1114	162
254.gap	1100	577	191	601	183
255.vortex	1900	840	226	834	228
256.bzip2	1500	1003	150	966	155
300.twolf	3000	1252	240	1270	236



Hardware

CPU:	Power3-II
CPU MHz:	333
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:	1MB 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
```