CINT2000 Result

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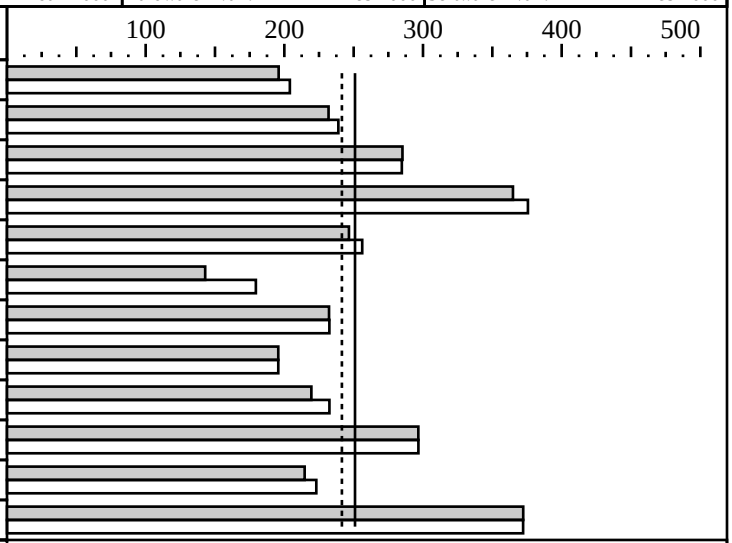
IBM Corporation
RS/6000 44P-270 (1 CPU)

SPECint2000 = 251

SPECint_base2000 = 242

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	715	196	686	204
175.vpr	1400	604	232	586	239
176.gcc	1100	386	285	386	285
181.mcf	1800	493	365	479	376
186.crafty	1000	406	247	390	256
197.parser	1800	1259	143	1003	179
252.eon	1300	560	232	559	232
253.perlbmk	1800	920	196	920	196
254.gap	1100	501	219	473	233
255.vortex	1900	641	297	640	297
256.bzip2	1500	699	215	672	223
300.twolf	3000	806	372	806	372



Hardware

CPU:	Power3-II
CPU MHz:	375
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2,3,4
Parallel:	None
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	4MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	4GB
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
NOTE: 4 CPUs were installed, but 3 were disabled via the service processor setup menu.
```