CINT2000 Result

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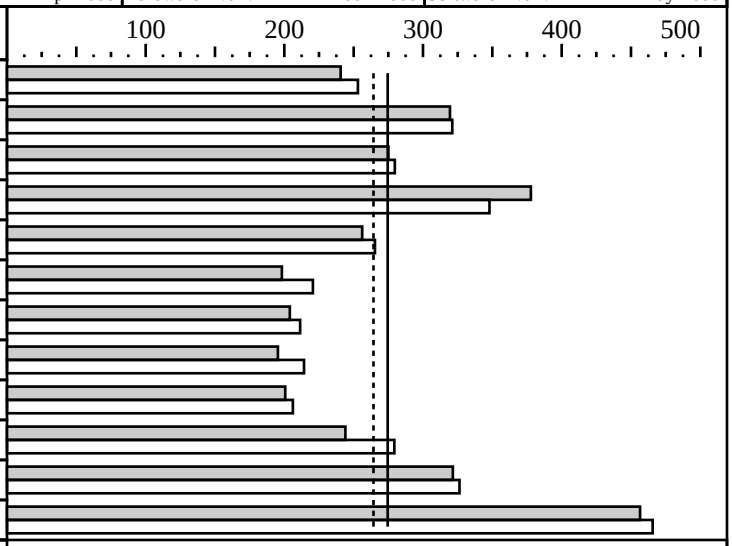
IBM Corporation
RS/6000 Model 7026-M80 (1 CPU)

SPECint2000 = 275

SPECint_base2000 = 264

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	582	241	553	253
175.vpr	1400	438	319	436	321
176.gcc	1100	400	275	393	280
181.mcf	1800	476	378	517	348
186.crafty	1000	390	256	377	265
197.parser	1800	908	198	816	221
252.eon	1300	637	204	615	211
253.perlbmk	1800	921	195	840	214
254.gap	1100	548	201	534	206
255.vortex	1900	779	244	680	279
256.bzip2	1500	467	322	460	326
300.twolf	3000	657	457	644	466



Hardware

CPU:	IBM PowerPC RS64-III
CPU MHz:	500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	2,4,6,8
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	4MB (I+D) (off chip,per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2x9.1GB 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' 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  ={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
  NOTE: 8 CPUs were installed, but 7 were disabled via the service processor setup menu.
```