CINT2000 Result

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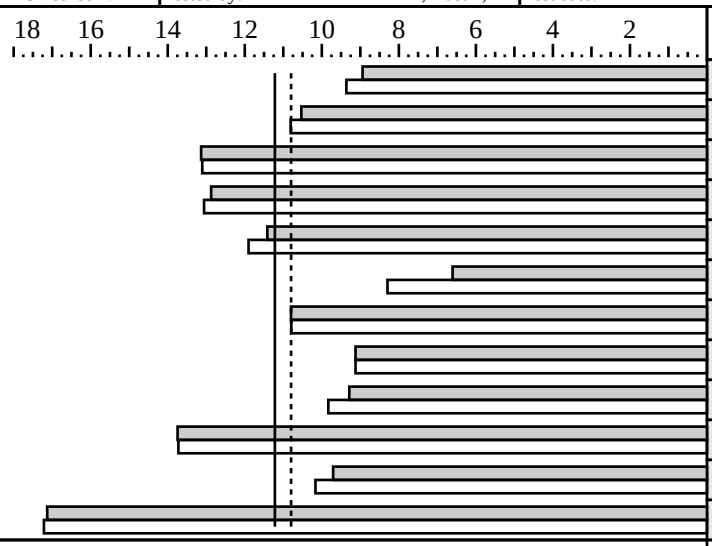
IBM Corporation
RS/6000 44P-270 (4 CPU)

SPECint_rate2000 = 11.2

SPECint_rate_base2000 = 10.8

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	726	8.94	4	694	9.36
175.vpr	4	617	10.5	4	601	10.8
176.gcc	4	389	13.1	4	390	13.1
181.mcf	4	649	12.9	4	640	13.1
186.crafty	4	406	11.4	4	390	11.9
197.parser	4	1265	6.60	4	1007	8.30
252.eon	4	559	10.8	4	559	10.8
253.perlbmk	4	915	9.12	4	915	9.12
254.gap	4	550	9.29	4	519	9.83
255.vortex	4	641	13.7	4	642	13.7
256.bzip2	4	717	9.71	4	685	10.2
300.twolf	4	813	17.1	4	809	17.2

Hardware

CPU:	Power3-II
CPU MHz:	375
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 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)

```
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
```