CINT2000 Result

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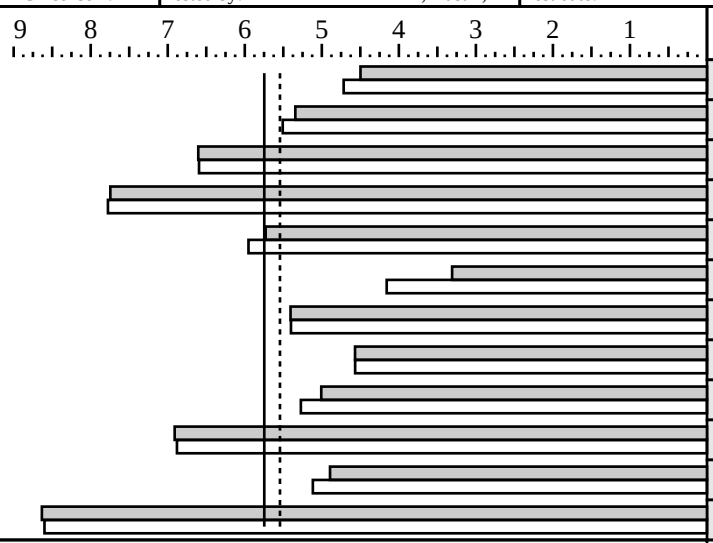
IBM Corporation
RS/6000 44P-270 (2 CPU)

SPECint_rate2000 = 5.75

SPECint_rate_base2000 = 5.54

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	2	722	4.50	2	689	4.72
175.vpr	2	608	5.34	2	590	5.51
176.gcc	2	386	6.60	2	387	6.59
181.mcf	2	539	7.75	2	537	7.78
186.crafty	2	405	5.73	2	390	5.95
197.parser	2	1262	3.31	2	1004	4.16
252.eon	2	558	5.41	2	558	5.40
253.perlbmk	2	914	4.57	2	914	4.57
254.gap	2	510	5.01	2	484	5.27
255.vortex	2	638	6.91	2	641	6.88
256.bzip2	2	711	4.89	2	680	5.12
300.twolf	2	806	8.63	2	809	8.60

Hardware

CPU:	Power3-II
CPU MHz:	375
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 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
NOTE: 4 CPUs were installed, but 2 were disabled via the service processor setup menu.
```