CINT2000 Result

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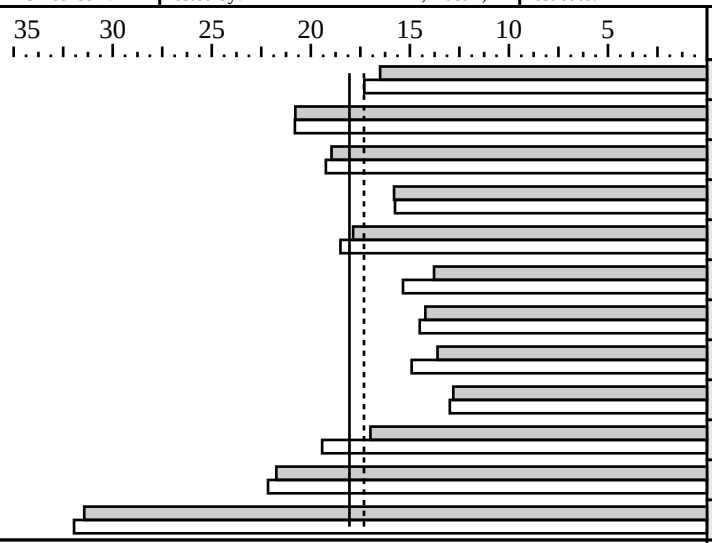
IBM Corporation
RS/6000 7026-F80 (6 CPU)

SPECint_rate2000 = 18.0

SPECint_rate_base2000 = 17.3

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: Apr-2000 | Hardware Avail: Jun-2000 | Software Avail: May-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	6	590	16.5	6	563	17.3
175.vpr	6	469	20.8	6	468	20.8
176.gcc	6	404	19.0	6	398	19.2
181.mcf	6	793	15.8	6	795	15.8
186.crafty	6	390	17.9	6	376	18.5
197.parser	6	909	13.8	6	816	15.3
252.eon	6	636	14.2	6	624	14.5
253.perlbmk	6	921	13.6	6	840	14.9
254.gap	6	598	12.8	6	590	13.0
255.vortex	6	778	17.0	6	681	19.4
256.bzip2	6	480	21.7	6	471	22.2
300.twolf	6	664	31.4	6	653	32.0

Hardware

CPU:	IBM PowerPC RS64-III
CPU MHz:	500
FPU:	Integrated
CPU(s) enabled:	6 cores, 6 chips, 1 core/chip
CPU(s) orderable:	6
Parallel:	No
Primary Cache:	128KBI+128KBD (on chip)
Secondary Cache:	4MB (I+D) (off chip, per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1x4.5GB LVD SCSI, 1x9.1GB SSA
Other Hardware:	None

Software

Operating System:	AIX 4.3.3 plus APAR IY09807
Compiler:	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 -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
```