CINT2000 Result

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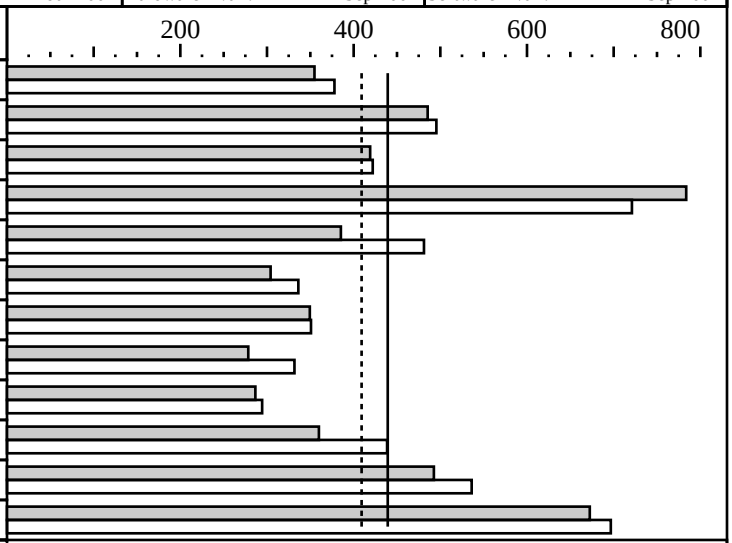
IBM Corporation
IBM RS/6000 Model M80 (750 MHz)

SPECint2000 = 439

SPECint_base2000 = 409

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Jul-2001 | Hardware Avail: Sep-2001 | Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	395	355	371	378
175.vpr	1400	288	485	283	495
176.gcc	1100	263	419	261	422
181.mcf	1800	230	784	250	721
186.crafty	1000	260	385	208	481
197.parser	1800	592	304	535	336
252.eon	1300	372	349	371	351
253.perlbmk	1800	647	278	543	332
254.gap	1100	384	287	374	294
255.vortex	1900	528	360	433	439
256.bzip2	1500	305	493	280	536
300.twolf	3000	446	672	431	697



Hardware

CPU:	RS64 IV
CPU MHz:	750
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:	8MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1x9.1GB, 1x4.3GB Fast SCSI
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	C: IBM VAC++ 5.0.2.0 invoked as 'cc' except where noted as 'xlc' C++: IBM VAC++ 5.0.2.0 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
Base Flags:
  C:   -O4
  C++: -qpdf1/pdf2 -O3 qarch=ppc qtune=rs64b
Peak Flags:
  164.gzip:    CC=/usr/vac/bin/xlc -O5 -qarch=ppc, fdpr -v -R3
  175.vpr:     CC=/usr/vac/bin/xlc -O3 -qpdf1/pdf2 -qarch=rs64b -Q=500
               -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
  176.gcc:     -qpdf1/pdf2 -O3 -qarch=pwr3 -lhmu -L/usr/vac/lib, fdpr -v -R3
  181.mcf:     -O5 -lhmu -qipa=partition=large, fdpr -v -R3
  186.crafty:  -O4 -lhmu -q64, fdpr -v -R3
  197.parser:  -qpdf1/pdf2 CC=/usr/vac/bin/xlc -O4 -qarch=rs64b
               -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
```

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Notes/Tuning Information (Continued)

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  252.eon:     -qpdf1/pdf2 -O3 -qarch=ppc -qtune=rs64b -L/usr/vac/lib, fdpr -v -R3
  253.perlbmk: -qpdf1/pdf2 -O3 -qarch=rs64b -lhmu -qdatalocal -qunroll=8
               -L/usr/vac/lib, fdpr -v -R3
  254.gap:     -O4 -qarch=rs64b, fdpr -v -R3
  255.vortex:  -O5 -lhmu -qipa=partition=large, fdpr -v -R3
  256.bzip2:   -O5 -lhmu, fdpr -v -R3
  300.twolf:   CC=/usr/vac/bin/xlc -O5 -qpdf1/pdf2 -L/usr/vac/lib, fdpr -v -R3
fdpr: Feedback directed program restructuring tool
APAR IY 21957 was applied to AIX 5.1.0 to enable new hardware support.
/usr/spec2000 file system mounted with no JFS log file I/O.
```