CINT2000 Result

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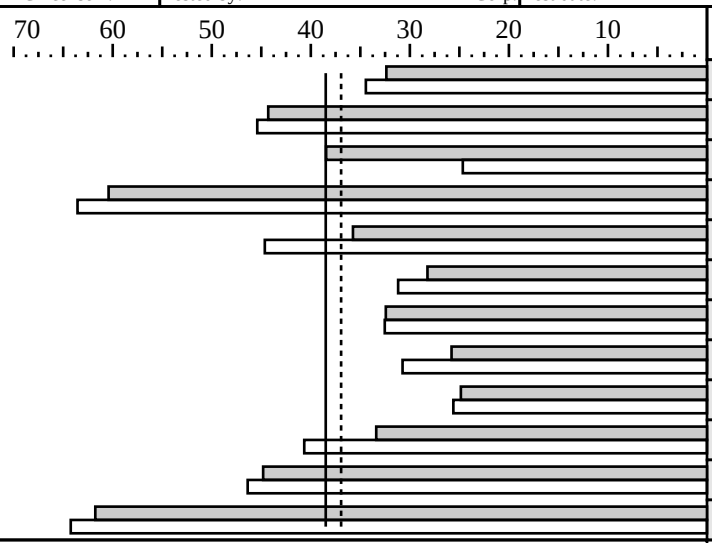
IBM Corporation
IBM RS/6000 Model M80 (750 MHz)

SPECint_rate2000 = 38.5

SPECint_rate_base2000 = 36.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	401	32.4	8	377	34.4
175.vpr	8	293	44.3	8	286	45.4
176.gcc	8	265	38.5	8	414	24.7
181.mcf	8	276	60.4	8	263	63.6
186.crafty	8	260	35.7	8	208	44.6
197.parser	8	592	28.2	8	536	31.2
252.eon	8	372	32.4	8	371	32.5
253.perlbmk	8	648	25.8	8	543	30.7
254.gap	8	411	24.8	8	399	25.6
255.vortex	8	528	33.4	8	434	40.7
256.bzip2	8	311	44.8	8	300	46.4
300.twolf	8	451	61.8	8	433	64.2

Hardware

CPU:	RS64 IV
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 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)

```
  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 5.0.1 to enable new hardware support.
/usr/spec2000 file system mounted with no JFS log file I/O.
```