CINT2000 Result

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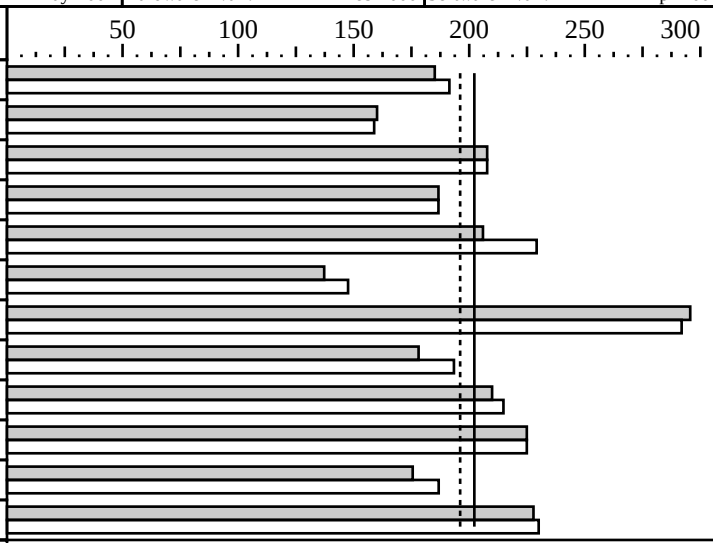
IBM Corporation
RS/6000 44P-170 (333 MHz)

SPECint2000 = 202

SPECint_base2000 = 196

SPEC license #: 11 | Tested by: IBM, Austin, TX | Test date: May-2002 | Hardware Avail: Feb-2000 | Software Avail: Apr-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	756	185	731	191
175.vpr	1400	874	160	881	159
176.gcc	1100	529	208	529	208
181.mcf	1800	964	187	964	187
186.crafty	1000	486	206	436	229
197.parser	1800	1312	137	1220	148
252.eon	1300	440	296	445	292
253.perlbmk	1800	1011	178	931	193
254.gap	1100	524	210	512	215
255.vortex	1900	845	225	845	225
256.bzip2	1500	854	176	803	187
300.twolf	3000	1317	228	1304	230



Hardware

CPU:	POWER3-II
CPU MHz:	333
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	1MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1x9.1GB SCSI
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	IBM VisualAge C++ for AIX, Version 6.0 BETA
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
            EXTRA_LDFLAGS=-I. -DNDEBUG
  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 Optimization Flags:
  C:           -O4 -lmass
  C++:         -O4 -lmass
Peak Optimization Flags:
  164.gzip:    -O4 -lhmu, fdpr -v -R3
  175.vpr:     -O5 -qunroll=8
  176.gcc:     basepeak=1
  181.mcf:     basepeak=1
  186.crafty:  -O3 -lhmu -q64
  197.parser:  -qpdf1/pdf2 -O4 -lpdf -L/usr/vac/lib
               -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
```

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Notes/Tuning Information (Continued)

```
  252.eon:     -O4 -lmass,  fdpr -v -R3
  253.perlbmk: -qpdf1/pdf2 -O3 -lhmu -lpdf -L/usr/vac/lib
               -qarch=pwr3 -qdatalocal -qunroll=8
  254.gap:     -O4 -qarch=pwr3,  fdpr -v -R3
  255.vortex:  basepeak=1
  256.bzip2:   -O5 -qunroll=8
  300.twolf:   CC=/usr/vac/bin/xlc, -qpdf1/pdf2 -O5
               -lpdf -L/usr/vac/lib,  fdpr -v -R3
fdpr: Feedback directed program restructuring tool.
/usr/spec2000 filesystem mounted with no JFS log file I/O.
APAR IY31315 was applied to AIX 5L V5.1 to enable new hardware support.
ulimits set to unlimited.
C: IBM VAC++ invoked as cc except where noted as xlc.
C++: IBM VAC++ invoked as xlC.
The final version of the beta compiler will be available by Sep-2002.
```