CINT2000 Result

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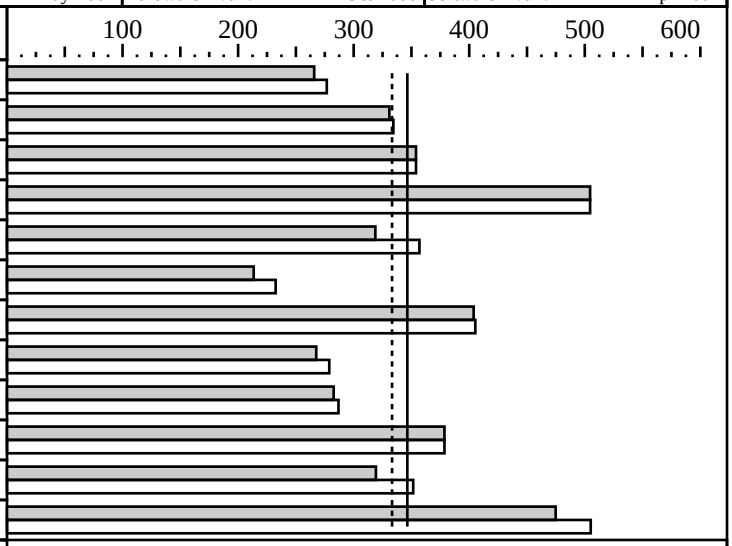
IBM Corporation
RS/6000 44P-170 (450 MHz)

SPECint2000 = 346

SPECint_base2000 = 333

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	527	266	506	277
175.vpr	1400	423	331	419	334
176.gcc	1100	311	354	311	354
181.mcf	1800	357	505	357	505
186.crafty	1000	314	319	280	357
197.parser	1800	843	213	774	232
252.eon	1300	322	404	321	405
253.perlbmk	1800	673	268	645	279
254.gap	1100	389	283	383	287
255.vortex	1900	502	379	502	379
256.bzip2	1500	470	319	427	352
300.twolf	3000	632	475	594	505



Hardware

CPU:	POWER3-II
CPU MHz:	450
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:	8MB 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.
```