CINT2000 Result

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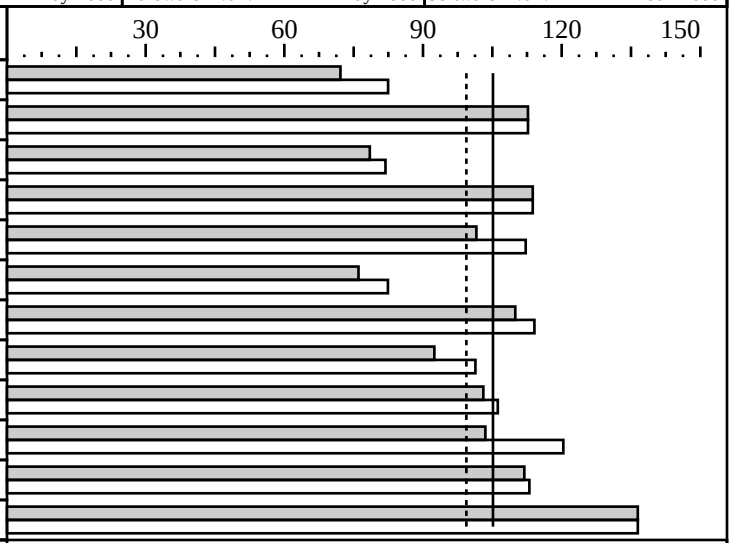
IBM Corporation
RS/6000 43P-150 (250MHz)

SPECint2000 = 105

SPECint_base2000 = 99.4

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	1941	72.1	1698	82.4
175.vpr	1400	1242	113	1242	113
176.gcc	1100	1401	78.5	1343	81.9
181.mcf	1800	1583	114	1583	114
186.crafty	1000	985	102	891	112
197.parser	1800	2367	76.0	2184	82.4
252.eon	1300	1182	110	1139	114
253.perlbmk	1800	1947	92.5	1776	101
254.gap	1100	1067	103	1036	106
255.vortex	1900	1836	103	1579	120
256.bzip2	1500	1340	112	1327	113
300.twolf	3000	2198	136	2198	136



Hardware

CPU:	250MHz IBM PowerPC 604e
CPU MHz:	250
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	32KBI+32KBD (on chip)
Secondary Cache:	1MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1x4.5GB Ultra SCSI, 7200 RPM
Other Hardware:	None

Software

Operating System:	AIX 4.3.3 plus APAR IY09807
Compiler:	C: IBM VAC 5.0.1 invoked as 'cc' except where noted as 'xlc' C++: IBM C++ 3.6.6.0 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 Optimization Flags:
  C:     -O4 -qarch=ppc -qtune=604 -lhmu
  C++:   -O3 -qpdf1/pdf2 -qarch=ppc -qtune=604
Peak Optimization Flags:
164.gzip:    CC=xlc, -O5 -qarch=ppc -qtune=604, fdpr -v -R3
175.vpr:     -O4 -qarch=ppc -qtune=604 -lhmu (basepeak=1)
176.gcc:     -O3 -qpdf1/pdf2 -qarch=604 -lhmu, fdpr -v -R3
181.mcf:     -O4 -qarch=ppc -qtune=604 -lhmu (basepeak=1)
186.crafty:  -O4  -qarch=604 -qtune=604, fdpr -v -R3
197.parser:  CC=xlc, -O4 -qpdf1/pdf2 -qarch=604 -qtune=604 -L/usr/vac/lib -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
252.eon:     -O3 -qpdf1/pdf2 -qarch=ppc -qtune=604  -lhmu, fdpr -v -R3
253.perlbmk: -O3 -qpdf1/pdf2 -qarch=604 -lhmu -qdatalocal -qunroll=8, fdpr -v -R3
254.gap:     -O4 -qarch=604 -qtune=604, fdpr -v -R3
```

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Notes/Tuning Information (Continued)

```
255.vortex:  -O5 -qpdf1/pdf2 -lhmu
256.bzip2:   -O4  -qarch=604 -qtune=604, fdpr -v -R3
300.twolf:   -O4 -qarch=ppc -qtune=604 -lhmu (basepeak=1)
```