CINT2000 Result

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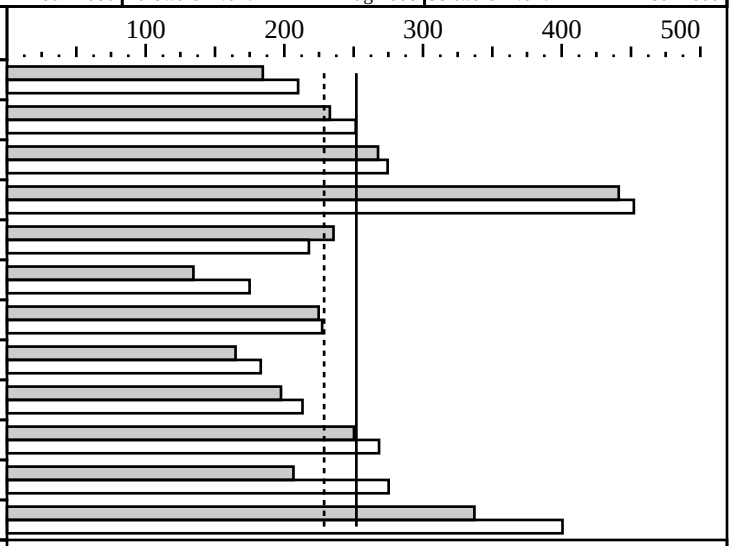
IBM Corporation
RS/6000 SP-375MHz High Node(1 CPU)

SPECint2000 = 252

SPECint_base2000 = 229

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	759	184	667	210
175.vpr	1400	601	233	557	251
176.gcc	1100	411	268	401	274
181.mcf	1800	408	441	398	452
186.crafty	1000	425	235	459	218
197.parser	1800	1339	134	1029	175
252.eon	1300	578	225	572	227
253.perlbmk	1800	1092	165	984	183
254.gap	1100	557	198	516	213
255.vortex	1900	759	250	708	268
256.bzip2	1500	726	207	545	275
300.twolf	3000	890	337	749	401



Hardware

CPU:	Power3-II
CPU MHz:	375
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	4,8,12,16
Parallel:	None
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	8MB unified (off chip, per CPU)
L3 Cache:	None
Other Cache:	None
Memory:	32GB
Disk Subsystem:	2x18GB SCSI, 7200RPM
Other Hardware:	Ethernet

Software

Operating System:	AIX 4.3.3 plus beta of APAR IY11202
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:   -qpdf1/pdf2 -O3 -lhmu -qarch=pwr3
  C++: -qpdf1/pdf2 -O3 -qarch=ppc -qtune=pwr3
Peak Optimization Flags
  175.vpr:     CC=xlc, -O4 -qarch=ppc, -bnso -bI:/lib/syscalls.exp
  176.gcc:     -qpdf1/pdf2 -O3 -lhmu -qarch=pwr3, fdpr -v -R3
  181.mcf:     -O4
  186.crafty:  -O4, fdpr -v -R3
  197.parser:  CC=xlc, -qpdf1/pdf2 -O4 -bnso -bI:/lib/syscalls.exp, fdpr -v -R3
  252.eon:     -qpdf1/pdf2 -O3 -lhmu -qarch=ppc -qtune=pwr3, fdpr -v -R3
  253.perlbmk: -qpdf1/pdf2 -O3 -lhmu -qarch=pwr3 -qdatalocal -qunroll=8, fdpr -v -R3
  254.gap:     -O4 -qarch=pwr3, fdpr -v -R3
  255.vortex:  -qpdf1/pdf2 -O5 -lhmu -Q=500
```

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Notes/Tuning Information (Continued)

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  256.bzip2:   -O5 -qunroll=8,fdpr -v -R3
  300.twolf:   CC=xlc, -qpdf1/pdf2 -O5, fdpr -v -R3
NOTE: 16 CPUs were installed, but 15 were disabled via the service processor setup menu.
```