CINT2000 Result

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IBM Corporation

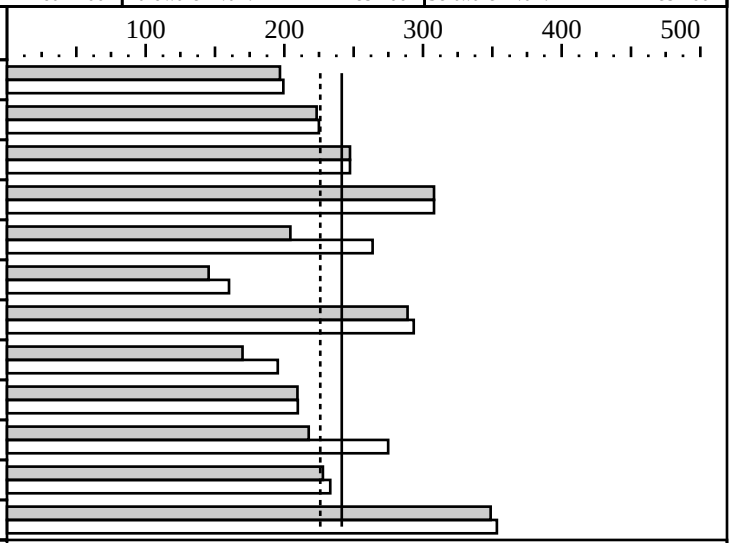
IBM eServer pSeries 610 Mod 6C1 333MHz

SPECint2000 = 241

SPECint_base2000 = 226

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Jan-2002 | Hardware Avail: Feb-2002 | Software Avail: Feb-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	711	197	703	199
175.vpr	1400	627	223	622	225
176.gcc	1100	445	247	445	247
181.mcf	1800	585	308	585	308
186.crafty	1000	489	204	379	264
197.parser	1800	1238	145	1124	160
252.eon	1300	450	289	443	293
253.perlbmk	1800	1060	170	922	195
254.gap	1100	525	209	525	210
255.vortex	1900	873	218	691	275
256.bzip2	1500	658	228	643	233
300.twolf	3000	860	349	849	353



Hardware

CPU:	POWER3-II
CPU MHz:	333
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	32KBI+64KBD (on chip)
Secondary Cache:	4MB unified (off chip)
L3 Cache:	None
Other Cache:	None
Memory:	2GB
Disk Subsystem:	2x18GB 10000RPM
Other Hardware:	None

Software

Operating System:	AIX 5L V5.1
Compiler:	IBM VisualAge C++ for AIX, Version 5.0.2.1
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 -p -x
  175.vpr:     -O5 -qunroll=8
  176.gcc:     (basepeak=1)
  181.mcf:     (basepeak=1)
  186.crafty:  -O3 -lhmu -q64
  197.parser:  -qpdf1/pdf2 -O4 -lpdf
               -bnso -bI:/lib/syscalls.exp, fdpr -v -R3  -p -x
```

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Notes/Tuning Information (Continued)

```
  252.eon:     -O4 -lmass, fdpr -v -R3 -p -x
  253.perlbmk: -qpdf1/pdf2 -O3 -lhmu -lpdf -qarch=pwr3
               -qdatalocal -qunroll=8, fdpr -R3 -p -x
  254.gap:     -O4 -qarch=pwr3, fdpr -v -R3 -p -x
  255.vortex:  -O3 -lhmu -lmass -qipa=partition=large,
               fdpr -v -R3 -p -x
  256.bzip2:   -O5 -qunroll=8
  300.twolf:   -qpdf1/pdf2 -O5 -lpdf, fdpr -v -R3 -p -x
                CC=/usr/vac/bin/xlc
fpdr: Feedback directed program restructuring tool
APAR IY22854 was applied to AIX 5L V5.1 to enable new hardware support
ulimits set to unlimited.
C: IBM VAC++ 5.0.2.1 invoked as cc except where noted as xlc
C++: IBM VAC++ 5.0.2.1  invoked as xlC
```