CINT2000 Result

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IBM Corporation

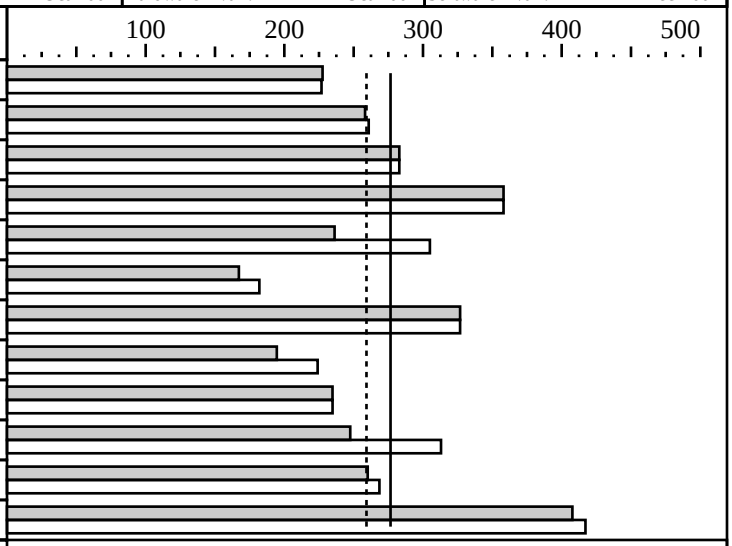
IBM eServer pSeries 610 Mod 6E1 375MHz

SPECint2000 = 277

SPECint_base2000 = 259

SPEC license #: 11 | Tested by: IBM Corp. | Test date: Oct-2001 | Hardware Avail: Oct-2001 | Software Avail: Dec-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	615	228	617	227
175.vpr	1400	542	258	537	261
176.gcc	1100	389	283	389	283
181.mcf	1800	503	358	503	358
186.crafty	1000	423	236	328	305
197.parser	1800	1076	167	989	182
252.eon	1300	398	327	398	327
253.perlbmk	1800	925	195	804	224
254.gap	1100	469	235	469	235
255.vortex	1900	768	248	607	313
256.bzip2	1500	577	260	559	269
300.twolf	3000	736	408	719	417



Hardware

CPU:	POWER3-II
CPU MHz:	375
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:	C: IBM VAC++ 5.0.2.0 invoked as cc except where noted as xlc C++: IBM VAC++ 5.0.2.0 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 -lmass
  C++:         -O4 -lmass
Peak Optimization Flags
  164.gzip:    -O4 -lhmu, fdpr -R3 -p -x -o
  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 -R3  -p -x
  252.eon:     -O4 -lmass, fdpr -R3 -p -x -o
```

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Notes/Tuning Information (Continued)

```
  253.perlbmk: -qpdf1/pdf2 -O3 -lhmu -lpdf -qarch=pwr3
               -qdatalocal -qunroll=8, fdpr -R3 -p -x
  254.gap:     -O4 -qarch=pwr3, fdpr -R3 -p -x -o
  255.vortex:  -O3 -lhmu -lmass -qipa=partition=large,
               fdpr -v -R3 -p -x
  256.bzip2:   -O5 -qunroll=8, fdpr -R3 -p -x -o
  300.twolf:   -qpdf1/pdf2 -O5 -lpdf, fdpr -R3 -p -x
                CC=/usr/vac/bin/xlc
fpdr: Feedback directed program restructuring tool
APAR IY 21957 was applied to AIX 5L V5.1 to enable new hardware support
```