



CINT2000 Result

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IBM Corporation
IBM IntelliStation POWER Model 265

SPECint2000 = 318
SPECint_base2000 = 298

SPEC license #: 11 Tested by: IBM Corp. Test date: Jan-2002 Hardware Avail: Mar-2002 Software Avail: Dec-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	100 200 300 400 500				
164.gzip	1400	531	264	533	263	.....			
175.vpr	1400	484	290	481	291	.....			
176.gcc	1100	332	331	332	331	.....			
181.mcf	1800	497	363	497	363	.....			
186.crafty	1000	359	278	278	360	.....			
197.parser	1800	922	195	838	215	.....			
252.eon	1300	333	391	333	391	.....			
253.perlbnk	1800	787	229	671	268	.....			
254.gap	1100	408	270	408	270	.....			
255.vortex	1900	657	289	518	367	.....			
256.bzip2	1500	499	301	487	308	.....			
300.twolf	3000	641	468	632	474	.....			

Hardware

CPU: POWER3-II
CPU MHz: 450
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
perlbnk: -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.perlbnk: -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 IY22854 was applied to AIX 5L V5.1 to enable new hardware support
```