CINT2000 Result

IBM Corporation

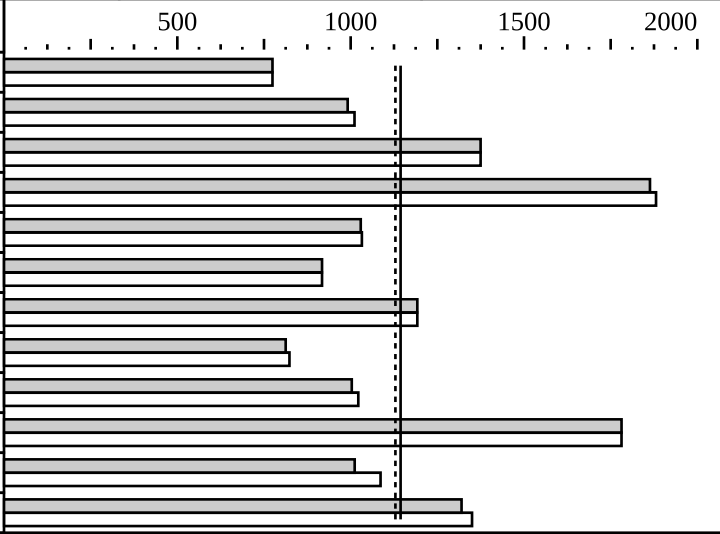
IBM eServer OpenPower 710 (1650MHz, 1 CPU, Linux)

SPECint2000 = 1144

SPECint_base2000 = 1129

SPEC license #: 11	Tested by: IBM	Test date: Jan-2005	Hardware Avail: Feb-2005	Software Avail: Mar-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	181	774	181	774
175.vpr	1400	141	991	138	1011
176.gcc	1100	80.0	1375	80.0	1375
181.mcf	1800	96.6	1863	95.7	1881
186.crafty	1000	97.2	1029	96.9	1032
197.parser	1800	196	917	196	917
252.eon	1300	109	1192	109	1192
253.perlbmk	1800	222	813	219	823
254.gap	1100	110	1003	108	1022
255.vortex	1900	107	1781	107	1781
256.bzip2	1500	148	1012	138	1086
300.twolf	3000	227	1320	222	1350



Hardware

CPU:	POWER5
CPU MHz:	1650
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip (SMT off)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI+32KBD (on chip)/core
Secondary Cache:	1920KB unified (on chip)/chip
L3 Cache:	36MB unified (off chip)/DCM, 1 DCM/SUT
Other Cache:	None
Memory:	8x2 GB
Disk Subsystem:	1X73GB SCSI, 15K RPM
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux AS 4
Compiler:	XL C/C++ Enterprise Edition Version 7.0 for Linux
File System:	EXT2
System State:	Multi-User, run level 3

Notes/Tuning Information

```
Integer Portability Flags:
  gcc:     -DHOST_WORDS_BIG_ENDIAN
  crafty:  -DLINUX_PPC32
  eon:     -DHAS_ERRLIST
   srcalt=fmax_errno
  perlbmk: -DSPEC_CPU2000_LINUX_PPC32 -DSPEC_CPU2000_NEED_BOOL -DHAS_FGETPOS -DHAS_FSETPOS
  gap:     -DSYS_STRING_H -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_CALLOC_PROTO
  twolf:   -DHAVE_SIGNED_CHAR
  mcf:     None
  parser:  None
  vortex:  srcalt=closed_files
  bzip2:   None
Base Optimization Flags:
  C:
   -qpdf1/pdf2
   -O5
  C++:
   -qpdf1/pdf2
   -O5
```

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Notes/Tuning Information (Continued)

```
Integer Peak Optimization Flags
164.gzip
basepeak=1
175.vpr:  -qpdf1/qpdf2
 -O5 -qhot=arraypad -Q
176.gcc
 basepeak=1
181.mcf
 -O4 -qarch=pwr4 -qtune=pwr4
186.crafty:  -qpdf1/pdf2
 -O4 -qarch=pwr3 -qtune=pwr3
197.parser
 basepeak=1
252.eon:
 basepeak=1
253.perlbmk:  -qpdf1/pdf2
   -O4 -qarch=pwr5 -qtune=pwr5
254.gap: -qpdf1/pdf2
 -O5  -qarch=pwr4 -qtune=pwr4
255.vortex:  -qpdf1/pdf2
 -O4  -qarch=pwr4 -qtune=pwr4
256.bzip2:
 -O5  -qtune=pwr5 -qarch=pwr5
300.twolf:
        "C invoked as /opt/ibmcmp/vac/7.0/bin/xlc"
 -O4 -qarch=pwr5 -qtune=pwr5

SMT: Acronym for "Simultaneous Multi-Threading". A processor technology that allows
     the simultaneous execution of multiple thread contexts within a single processor
     core. (Enabled by default)
DCM: Acronym for "Dual-Chip Module" (one dual-core processor chip + one L3-cache chip)
SUT: Acronym for "System Under Test"
Stack size set to unlimited using "ulimit -s unlimited"
C:   IBM XL C/C++ for Linux invoked as cc unless explicitly reassigned
C:   IBM XL C/C++ for Linux invoked as xlc where noted
C++: IBM XL C/C++ for Linux invoked as xlC
SMT was disabled at the Linux boot prompt, using the command smt-enabled=off
Benchmark was run in a 1 CPU partition created using the Hardware Management Console
cleanpdf used with -qpdf1/pdf2 to erase the information in the PDF directory if any
     exists to ensure no feedback information is reused between compilations.
Flag file: IBM-20050209-Linux.txt
```