CINT2000 Result

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IBM Corporation

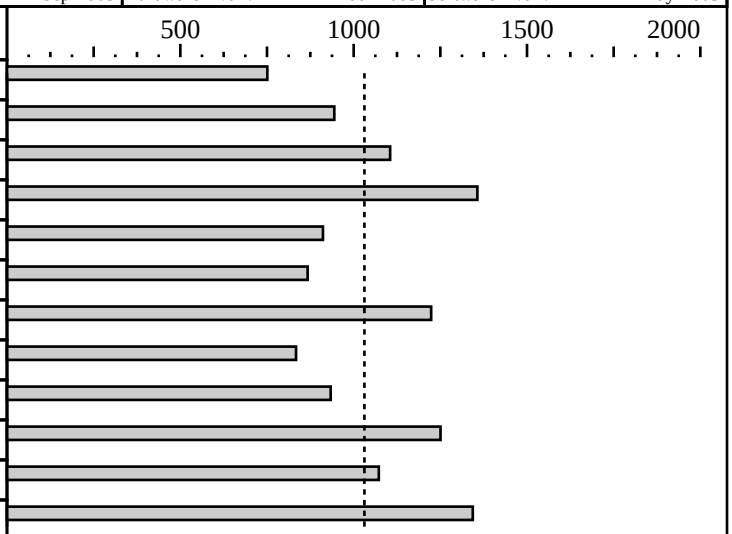
IBM eServer pSeries 655 (1700 Mhz, 1 CPU)

SPECint2000 = --

SPECint_base2000 = 1031

SPEC license #: 11 | Tested by: IBM, Austin, Tx | Test date: Sep-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	186	751		
175.vpr	1400	148	944		
176.gcc	1100	99.5	1105		
181.mcf	1800	133	1357		
186.crafty	1000	110	911		
197.parser	1800	208	867		
252.eon	1300	106	1224		
253.perlbmk	1800	216	834		
254.gap	1100	118	934		
255.vortex	1900	152	1250		
256.bzip2	1500	140	1073		
300.twolf	3000	223	1344		



Hardware

CPU:	POWER4+
CPU MHz:	1700
FPU:	Integrated
CPU(s) enabled:	1 core, 4 chips, 2 cores/chip, 4 chips/MCM
CPU(s) orderable:	4, 8 cores (order by # cores)
Parallel:	No
Primary Cache:	64KBI+32KBD (on chip) per core
Secondary Cache:	1536KB unified (off chip) per chip
L3 Cache:	128MB unified (off-chip) per MCM, 1 MCM in SUT
Other Cache:	None
Memory:	16 GB
Disk Subsystem:	1x36GB SCSI, 10K RPM
Other Hardware:	None

Software

Operating System:	SLES 8 for pSeries w/2.4.19 kernel, Service Release 1
Compiler:	IBM VisualAge C++ Version 6.0 for Linux on pSeries, May 2003 PTF
File System:	ext2
System State:	Multi-user

Notes/Tuning Information

```
cfg file:  ppc32-linux-ibm-ref-o5.cfg

Compiled 32-bit applications

CC  = /opt/ibmcmp/vac/6.0/bin/cc
CXX = /opt/ibmcmp/vacpp/6.0/bin/xlC



MCM: Acronym for "Multi-chip module"
SUT: Acronym for "System under test"

SLES: SuSE Linux Enterprise Server

3 processors were deconfigured through the configuration menu.

Integer optimization flags
   Int: -qpdf1/pdf2 -O5
```

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Notes/Tuning Information (Continued)

```
Integer portability flags
   gcc:  -DHOST_WORDS_BIG_ENDIAN
   mcf: None
   crafty: -DLINUX_PPC32
   parser: None
   eon: -DHAS_ERRLIST
   eon:
   eon: Using srcalt=fmax_errno

   perlbmk: -DSPEC_CPU2000_LINUX_PPC32 -DSPEC_CPU2000_NEED_BOOL
            -DHAS_FGETPOS -DHAS_FSETPOS
   gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_CALLOC_PROTO
   vortex: None
   bzip2: None
   twolf: -DHAVE_SIGNED_CHAR
```