CINT2000 Result

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IBM Corporation

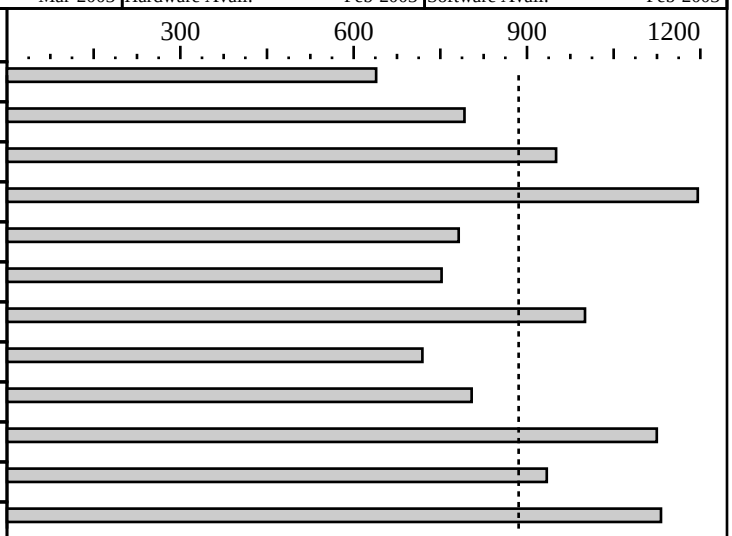
IBM eServer pSeries 650 Model 6M2 (1450 MHz, 1 CPU)

SPECint2000 = --

SPECint_base2000 = 886

SPEC license #: 11 | Tested by: IBM, Austin, Tx | Test date: Mar-2003 | Hardware Avail: Feb-2003 | Software Avail: Feb-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	219	639		
175.vpr	1400	177	792		
176.gcc	1100	116	950		
181.mcf	1800	151	1196		
186.crafty	1000	128	782		
197.parser	1800	239	752		
252.eon	1300	130	1000		
253.perlbmk	1800	250	719		
254.gap	1100	137	804		
255.vortex	1900	169	1125		
256.bzip2	1500	161	934		
300.twolf	3000	265	1132		



Hardware

CPU:	POWER4+
CPU MHz:	1450
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip, 1 chip/SCM
CPU(s) orderable:	1,2,3,4 (order by # SCM)
Parallel:	No
Primary Cache:	64KBI+32KBD (on chip) per core
Secondary Cache:	1536KB unified (on chip) per chip
L3 Cache:	32MB unified (off-chip) per SCM, 1 SCM in SUT
Other Cache:	None
Memory:	8 GB
Disk Subsystem:	1x18GB SCSI
Other Hardware:	None

Software

Operating System:	SLES 8 for pSeries w/2.4.19 kernel
Compiler:	IBM VisualAge C++ Version 6.0 for Linux on pSeries IBM XL Fortran Version 8.1 for Linux on pSeries
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



SCM: Acronym for "Single-chip module"
SUT: Acronym for "System under test"

SLES: SuSE Linux Enterprise Server

1 processor was 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
```