



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

perlbnk: -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