



CINT2000 Result

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IBM Corporation

IBM eServer pSeries 630 Model 6C4 (1450 Mhz, 1 CPU)

SPECint2000 = --

SPECint_base2000 = 856

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	300 600 900 1200			
164.gzip	1400	223	629						
175.vpr	1400	196	713						
176.gcc	1100	118	930						
181.mcf	1800	164	1097						
186.crafty	1000	129	773						
197.parser	1800	245	736						
252.eon	1300	132	988						
253.perlbmk	1800	256	702						
254.gap	1100	142	777						
255.vortex	1900	181	1050						
256.bzip2	1500	164	912						
300.twolf	3000	260	1152						

Hardware

CPU: POWER4+
CPU MHz: 1450
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip, 1 chip/SCM
CPU(s) orderable: 1,2,4 (order by # cores)
Parallel: No
Primary Cache: 64KBI+32KBD (on chip) per core
Secondary Cache: 1536KB unified (on chip) per chip
L3 Cache: 8MB unified (off-chip) per SCM, 1 SCM in SUT
Other Cache: None
Memory: 8 GB
Disk Subsystem: 1x36GB 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

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

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