CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

IBM Corporation

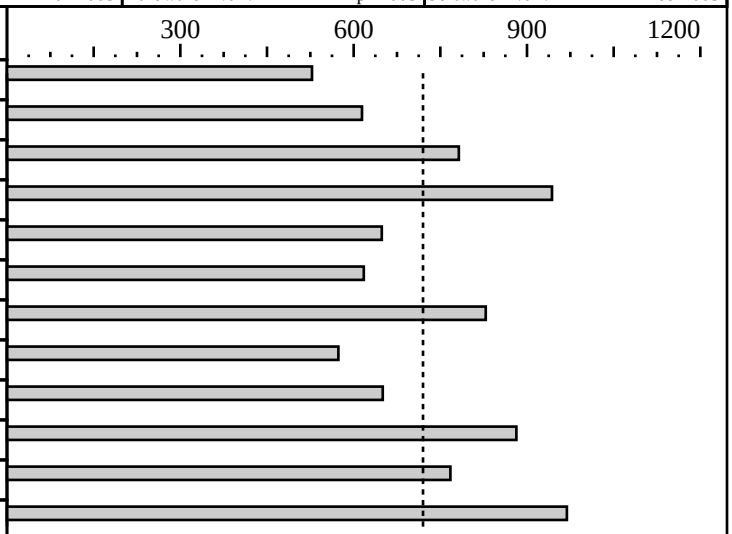
IBM eServer pSeries 630 Model 6E4 (1200 MHz, 1 CPU)

SPECint2000 = --

SPECint_base2000 = 720

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	265	528		
175.vpr	1400	228	614		
176.gcc	1100	141	782		
181.mcf	1800	191	943		
186.crafty	1000	154	649		
197.parser	1800	291	618		
252.eon	1300	157	829		
253.perlbmk	1800	314	574		
254.gap	1100	169	650		
255.vortex	1900	216	882		
256.bzip2	1500	195	767		
300.twolf	3000	310	969		



Hardware

CPU:	POWER4+
CPU MHz:	1200
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 shared (on chip) per chip
L3 Cache:	8MB ECC shared per processor card (1 processor card 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

1 processor was deconfigured through the configuration menu.

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

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```