



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 346 (2.8 GHz Xeon, 2MB L2 Cache)

SPECint_rate2000 = 31.4

SPECint_rate_base2000 = 31.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	153	21.2	2	152	21.4
175.vpr	2	151	21.6	2	147	22.1
176.gcc	2	68.2	37.4	2	68.2	37.4
181.mcf	2	122	34.2	2	122	34.2
186.crafty	2	96.3	24.1	2	96.6	24.0
197.parser	2	155	26.9	2	155	27.0
252.eon	2	73.8	40.9	2	74.1	40.7
253.perlbnk	2	108	38.6	2	108	38.7
254.gap	2	79.2	32.2	2	78.0	32.7
255.vortex	2	78.7	56.0	2	78.6	56.1
256.bzip2	2	144	24.1	2	144	24.1
300.twolf	2	209	33.3	2	209	33.3

Hardware

CPU: Intel Xeon Processor 2.8Hz with 2MB L2 Cache(800 MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 x 512 MB ECC PC2-3200 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications
Microsoft Visual Studio .NET 13.0.9466 (for libraries)
MicroQuill Smartheap Library 7.30
File System: NTFS
System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -Qansi_alias +FDO shlW32M.lib
C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
175.vpr: -fast +FDO
176.gcc: basepeak=yes
181.mcf: -fast +FDO shlW32M.lib
186.crafty: -fast -Oa +FDO shlW32M.lib
197.parser: -fast +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Oa +FDO shlW32M.lib



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 346 (2.8 GHz Xeon, 2MB L2 Cache)

SPECint_rate2000 = 31.4

SPECint_rate_base2000 = 31.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Notes/Tuning Information (Continued)

```
254.gap:      -fast +FDO
255.vortex    -fast +FDO shlw32M.lib
256.bzip2:    -fast -Qunroll1 -Oa +FDO shlw32M.lib
300.twolf:    -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.3
              www.microquill.com
```