



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x306m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECint_rate2000 = 19.3

SPECint_rate_base2000 = 19.2

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	211	15.4	2	207	15.7
175.vpr	2	257	12.6	2	246	13.2
176.gcc	2	102	25.0	2	102	25.0
181.mcf	2	196	21.3	2	195	21.4
186.crafty	2	179	13.0	2	179	13.0
197.parser	2	234	17.8	2	233	18.0
252.eon	2	139	21.6	2	139	21.7
253.perlbnk	2	213	19.6	2	214	19.5
254.gap	2	115	22.3	2	113	22.5
255.vortex	2	147	29.9	2	147	29.9
256.bzip2	2	203	17.2	2	202	17.3
300.twolf	2	329	21.2	2	329	21.1

Hardware

CPU: Intel Pentium 4 631 (800 MHz system bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1
 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: 4 x 1024 MB ECC PC2-4200 Single Rank
 Disk Subsystem: 80GB SATA 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications
 Intel Fortran Compiler 9.0 (20051130Z) 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



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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
```