



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.4 GHz Pentium 4 650, 2MB L2 Cache)

SPECint2000 = 1682

SPECint_base2000 = 1672

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	125	1124	123	1135	[Bar chart showing ratio 1135]			
175.vpr	1400	122	1152	118	1185	[Bar chart showing ratio 1185]			
176.gcc	1100	55.3	1990	55.3	1990	[Bar chart showing ratio 1990]			
181.mcf	1800	87.3	2063	86.8	2073	[Bar chart showing ratio 2073]			
186.crafty	1000	79.3	1260	79.6	1257	[Bar chart showing ratio 1257]			
197.parser	1800	127	1420	126	1426	[Bar chart showing ratio 1426]			
252.eon	1300	60.9	2136	61.1	2129	[Bar chart showing ratio 2129]			
253.perlbnk	1800	88.9	2025	88.3	2037	[Bar chart showing ratio 2037]			
254.gap	1100	60.3	1823	59.0	1865	[Bar chart showing ratio 1865]			
255.vortex	1900	66.8	2844	66.8	2844	[Bar chart showing ratio 2844]			
256.bzip2	1500	117	1288	116	1291	[Bar chart showing ratio 1291]			
300.twolf	3000	172	1740	173	1739	[Bar chart showing ratio 1739]			

Hardware

CPU: Intel Pentium 4 650 (800 MHz system bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 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 PC2-3200 Single Rank
 Disk Subsystem: 160GB SATA 7.2K 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
 252.eon: srcalt=stdcpp
 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



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Notes/Tuning Information (Continued)

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253.perlbnk: -fast -Oa +FDO shlw32M.lib
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
```