



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.0GHz Pentium D 930, 2x2MB L2 Cache)

SPECint2000 = 1517

SPECint_base2000 = 1508

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	138	1016	136	1026	[Bar chart showing ratio 1026]			
175.vpr	1400	136	1032	132	1059	[Bar chart showing ratio 1059]			
176.gcc	1100	60.5	1820	60.5	1820	[Bar chart showing ratio 1820]			
181.mcf	1800	91.0	1977	91.2	1975	[Bar chart showing ratio 1975]			
186.crafty	1000	89.6	1116	89.2	1121	[Bar chart showing ratio 1121]			
197.parser	1800	141	1273	141	1277	[Bar chart showing ratio 1277]			
252.eon	1300	69.0	1885	68.8	1890	[Bar chart showing ratio 1890]			
253.perlbmk	1800	97.7	1843	98.3	1832	[Bar chart showing ratio 1832]			
254.gap	1100	67.2	1638	65.4	1681	[Bar chart showing ratio 1681]			
255.vortex	1900	73.5	2585	73.6	2583	[Bar chart showing ratio 2583]			
256.bzip2	1500	130	1154	129	1159	[Bar chart showing ratio 1159]			
300.twolf	3000	196	1528	197	1520	[Bar chart showing ratio 1520]			

Hardware

CPU: Intel Pentium D 930 (800 MHz system bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
 Secondary Cache: 2048KB(I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024 MB ECC PC2-4200 Single Rank
 Disk Subsystem: 73GB SAS 15K 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.perlbmk: -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.perlbmk: -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
```