



# CINT2000 Result

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## IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECint\_rate2000 = 32.1

SPECint\_rate\_base2000 = 31.9

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	149	21.8	2	147	22.1
175.vpr	2	148	21.9	2	145	22.5
176.gcc	2	65.9	38.7	2	65.9	38.7
181.mcf	2	112	37.2	2	112	37.4
186.crafty	2	96.1	24.1	2	95.7	24.2
197.parser	2	152	27.4	2	152	27.6
252.eon	2	74.0	40.8	2	73.8	40.9
253.perlbnk	2	105	39.6	2	106	39.4
254.gap	2	76.6	33.3	2	74.4	34.3
255.vortex	2	79.6	55.4	2	79.7	55.3
256.bzip2	2	141	24.7	2	141	24.8
300.twolf	2	210	33.1	2	211	32.9

### Hardware

CPU: Intel Pentium D 920 (800 MHz system bus)  
CPU MHz: 2800  
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.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
```