



# CINT2000 Result

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## IBM Corporation

IBM System X 3200 (2.4 GHz Xeon X3220, 8MB L2 Cache)

SPECint2000 = --

SPECint\_base2000 = 2540

SPEC license #: 11 Tested by: IBM Corporation Test date: Jan-2007 Hardware Avail: Feb-2007 Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	93.9	1491		
175.vpr	1400	75.5	1855		
176.gcc	1100	39.8	2762		
181.mcf	1800	43.3	4159		
186.crafty	1000	44.9	2225		
197.parser	1800	96.3	1870		
252.eon	1300	41.7	3121		
253.perlbmk	1800	61.3	2934		
254.gap	1100	43.3	2542		
255.vortex	1900	43.4	4377		
256.bzip2	1500	77.6	1932		
300.twolf	3000	108	2770		

### Hardware

CPU: Intel Xeon processor X3220 (2.4 GHz, 1066 MHz bus)  
CPU MHz: 2400  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1 chip  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 2048 MB ECC PC2-5300  
Disk Subsystem: 80GB SATA 7200 RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)  
Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
Build 20060323Z  
Microsoft Visual Studio 2005(for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```