



CINT2000 Result

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IBM Corporation

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

SPECint_rate2000 = --

SPECint_rate_base2000 = 99.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	96.1	67.6			
175.vpr	4	97.3	66.8			
176.gcc	4	44.7	114			
181.mcf	4	109	76.8			
186.crafty	4	45.0	103			
197.parser	4	105	79.6			
252.eon	4	41.7	145			
253.perlbnk	4	63.5	131			
254.gap	4	55.9	91.4			
255.vortex	4	50.6	174			
256.bzip2	4	92.8	75.0			
300.twolf	4	109	127			

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: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-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.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```