



CINT2000 Result

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IBM Corporation

IBM System x 3850 (Intel Xeon processor 7030, 2MB L2 Cache)

SPECint2000 = 1209

SPECint_base2000 = 1200

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Feb-2006 | Hardware Avail: Apr-2006 | Software Avail: Dec-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	159	882	157	890	
175.vpr	1400	189	741	182	771	
176.gcc	1100	74.2	1483	74.2	1483	
181.mcf	1800	162	1111	162	1110	
186.crafty	1000	102	978	102	982	
197.parser	1800	175	1027	175	1031	
252.eon	1300	77.5	1678	77.3	1682	
253.perlbnk	1800	115	1564	115	1561	
254.gap	1100	80.3	1371	78.4	1402	
255.vortex	1900	92.5	2054	91.6	2075	
256.bzip2	1500	177	847	176	852	
300.twolf	3000	228	1315	230	1307	

Hardware

CPU: Intel Xeon processor 7030 (667 MHz system bus)
 CPU MHz: 2667
 FPU: Integrated
 CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,3,4
 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: 16 x 2048 MB ECC PC2-3200 Dual Rank
 Disk Subsystem: 73GB SAS 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ 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 shlw32m.lib

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 shlw32m.lib
 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 -Qunroll11 -Oa +FDO shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.3
www.microquill.com