



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium 4 521, 1MB L2 Cache)

SPECint2000 = 1335

SPECint_base2000 = 1328

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	151	930	149	937	[Bar chart]			
175.vpr	1400	164	856	159	879	[Bar chart]			
176.gcc	1100	68.1	1616	68.1	1616	[Bar chart]			
181.mcf	1800	128	1404	128	1405	[Bar chart]			
186.crafty	1000	95.4	1048	95.0	1053	[Bar chart]			
197.parser	1800	160	1123	160	1126	[Bar chart]			
252.eon	1300	73.5	1768	73.3	1773	[Bar chart]			
253.perlbmk	1800	106	1693	107	1685	[Bar chart]			
254.gap	1100	71.2	1544	69.7	1578	[Bar chart]			
255.vortex	1900	84.2	2257	84.1	2259	[Bar chart]			
256.bzip2	1500	154	973	154	975	[Bar chart]			
300.twolf	3000	215	1395	216	1387	[Bar chart]			

Hardware

CPU: Intel Pentium 4 521 (800 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 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