



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECint2000 = 1514

SPECint_base2000 = 1506

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	138	1013	137	1024	[Bar chart showing ratio]			
175.vpr	1400	136	1031	132	1058	[Bar chart showing ratio]			
176.gcc	1100	60.9	1807	60.9	1807	[Bar chart showing ratio]			
181.mcf	1800	91.4	1969	91.4	1970	[Bar chart showing ratio]			
186.crafty	1000	89.7	1115	89.3	1120	[Bar chart showing ratio]			
197.parser	1800	141	1272	141	1276	[Bar chart showing ratio]			
252.eon	1300	69.0	1885	68.8	1888	[Bar chart showing ratio]			
253.perlbmk	1800	98.3	1831	98.8	1823	[Bar chart showing ratio]			
254.gap	1100	67.2	1638	65.5	1680	[Bar chart showing ratio]			
255.vortex	1900	73.6	2581	73.7	2580	[Bar chart showing ratio]			
256.bzip2	1500	130	1155	130	1158	[Bar chart showing ratio]			
300.twolf	3000	196	1529	197	1520	[Bar chart showing ratio]			

Hardware

CPU: Intel Pentium 4 631 (800 MHz system bus)
CPU MHz: 3000
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: 2048KB(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 -Qunroll11 -Oa +FDO shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.3
www.microquill.com