



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECint2000 = 1422

SPECint_base2000 = 1415

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	148	949	146	958	[Bar chart showing ratio 958]			
175.vpr	1400	144	971	141	995	[Bar chart showing ratio 995]			
176.gcc	1100	64.6	1702	64.6	1702	[Bar chart showing ratio 1702]			
181.mcf	1800	95.4	1886	95.5	1885	[Bar chart showing ratio 1885]			
186.crafty	1000	96.0	1041	95.6	1046	[Bar chart showing ratio 1046]			
197.parser	1800	151	1193	151	1196	[Bar chart showing ratio 1196]			
252.eon	1300	73.9	1759	73.7	1764	[Bar chart showing ratio 1764]			
253.perlbmk	1800	105	1721	105	1710	[Bar chart showing ratio 1710]			
254.gap	1100	71.6	1535	69.8	1576	[Bar chart showing ratio 1576]			
255.vortex	1900	78.1	2432	78.1	2432	[Bar chart showing ratio 2432]			
256.bzip2	1500	138	1084	138	1089	[Bar chart showing ratio 1089]			
300.twolf	3000	210	1428	211	1420	[Bar chart showing ratio 1420]			

Hardware

CPU: Intel Pentium D 920 (800 MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
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: 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