



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (3.0GHz Pentium D 930, 2x2MB L2 Cache)

SPECint_rate2000 = 34.3

SPECint_rate_base2000 = 34.0

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	139	23.4	2	138	23.6
175.vpr	2	140	23.3	2	135	24.0
176.gcc	2	61.7	41.3	2	61.7	41.3
181.mcf	2	106	39.4	2	106	39.3
186.crafty	2	89.7	25.9	2	89.3	26.0
197.parser	2	142	29.3	2	142	29.4
252.eon	2	69.0	43.7	2	68.7	43.9
253.perlbnk	2	98.5	42.4	2	98.9	42.2
254.gap	2	71.8	35.5	2	68.6	37.2
255.vortex	2	74.9	58.9	2	74.9	58.8
256.bzip2	2	133	26.2	2	132	26.3
300.twolf	2	196	35.5	2	197	35.2

Hardware

CPU: Intel Pentium D 930 (800 MHz system bus)
CPU MHz: 3000
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.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

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.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 -Qunroll1 -Oa +FDO shlw32M.lib
300.twolf:    -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.3
              www.microquill.com
```