



CINT2000 Result

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IBM Corporation
IBM eServer xSeries 236 (3.6 GHz Intel Xeon)

SPECint2000 = **1701**
SPECint_base2000 = **1682**

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Jun-2005 | Hardware Avail: Feb-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	117	1197	118	1191	
175.vpr	1400	116	1202	116	1202	
176.gcc	1100	54.8	2008	54.8	2008	
181.mcf	1800	96.0	1875	96.0	1875	
186.crafty	1000	74.6	1340	74.4	1344	
197.parser	1800	123	1468	123	1468	
252.eon	1300	59.1	2199	58.5	2221	
253.perlbmk	1800	97.0	1857	86.5	2081	
254.gap	1100	57.5	1914	57.5	1914	
255.vortex	1900	69.7	2725	69.7	2726	
256.bzip2	1500	119	1264	117	1277	
300.twolf	3000	167	1791	168	1790	

Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
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: 8 x 512 MB ECC PC2-3200 Single Rank
Disk Subsystem: 73GB SCSI 10K RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20050409)
Intel Fortran Compiler 8.1 (20050405Z)
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 -QxP -Qansi_alias +FDO
C++: -QxP -Qipo -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast -QxP -Qansi_alias -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -QxP -Oa +FDO shlW32M.lib
197.parser: basepeak=yes
252.eon: -fast -QxP +FDO
253.perlbmk: -fast -QxP -Qansi_alias +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    -fast -QxP +FDO
256.bzip2:    -fast -QxP -Qunroll1 -Oa +FDO
300.twolf:    -fast -QxP +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.3
              www.microquill.com
```