



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation
IBM eServer xSeries 226 (3.4 GHz Intel Xeon)

SPECint2000 = 1617
SPECint_base2000 = 1600

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	123	1135	124	1128	
175.vpr	1400	122	1145	122	1145	
176.gcc	1100	57.7	1907	57.7	1907	
181.mcf	1800	98.7	1824	98.7	1824	
186.crafty	1000	79.0	1266	78.8	1269	
197.parser	1800	129	1392	129	1392	
252.eon	1300	62.6	2077	61.9	2099	
253.perlbmk	1800	102	1767	91.3	1973	
254.gap	1100	60.5	1820	60.5	1820	
255.vortex	1900	73.0	2601	73.0	2603	
256.bzip2	1500	125	1204	123	1216	
300.twolf	3000	177	1691	177	1691	

Hardware

CPU: Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz: 3400
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: 4 x 2048 MB ECC PC2-3200 Dual 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



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 226 (3.4 GHz Intel Xeon)

SPECint2000 = 1617

SPECint_base2000 = 1600

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

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
```