# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

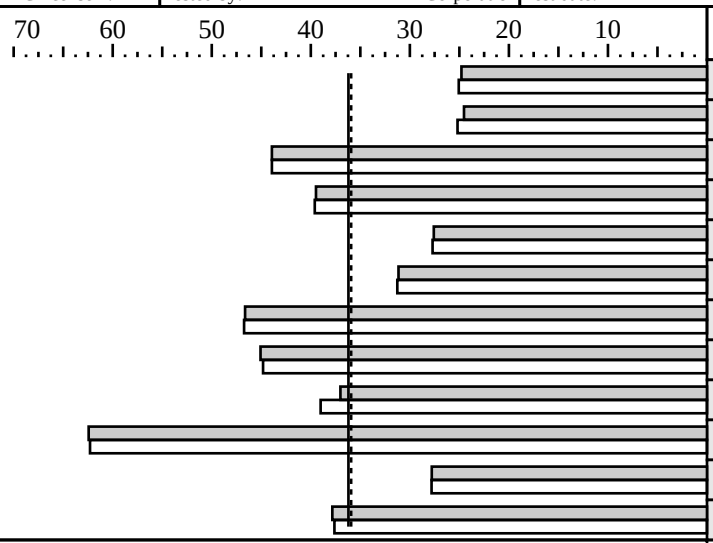
## IBM Corporation

IBM eServer xSeries x206m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECint_rate2000 = 36.2

SPECint_rate_base2000 = 35.9

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 | 131 | 24.8 | 2 | 130 | 25.1 |
| 175.vpr | 2 | 132 | 24.5 | 2 | 129 | 25.2 |
| 176.gcc | 2 | 58.1 | 43.9 | 2 | 58.1 | 43.9 |
| 181.mcf | 2 | 106 | 39.5 | 2 | 105 | 39.6 |
| 186.crafty | 2 | 84.1 | 27.6 | 2 | 83.7 | 27.7 |
| 197.parser | 2 | 134 | 31.1 | 2 | 134 | 31.3 |
| 252.eon | 2 | 64.7 | 46.6 | 2 | 64.5 | 46.7 |
| 253.perlbmk | 2 | 92.6 | 45.1 | 2 | 93.2 | 44.8 |
| 254.gap | 2 | 69.0 | 37.0 | 2 | 65.4 | 39.0 |
| 255.vortex | 2 | 70.6 | 62.4 | 2 | 70.8 | 62.3 |
| 256.bzip2 | 2 | 125 | 27.8 | 2 | 125 | 27.8 |
| 300.twolf | 2 | 184 | 37.8 | 2 | 185 | 37.6 |

### Hardware

| | |
|---|---|
| CPU: | Intel Pentium D 940 (800 MHz system bus) |
| CPU MHz: | 3200 |
| 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<br>Intel Fortran Compiler 9.0 (20051130Z) for 32-bit applications<br>Microsoft Visual Studio .NET 13.0.9466 (for libraries)<br>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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation



## 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
```