# CINT2000 Result

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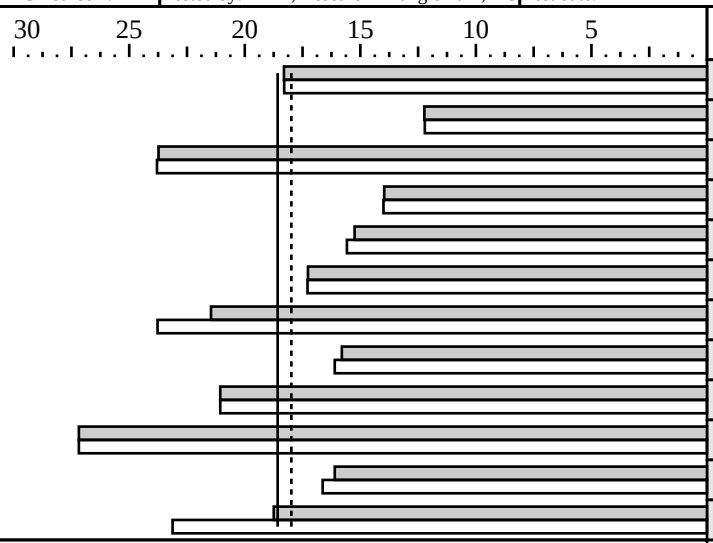
## IBM Corporation
## IBM x335( 3.2GHz, 533MHZ FSB)

SPECint_rate2000 = 18.6

SPECint_rate_base2000 = 18.0

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Feb-2004 | Hardware Avail: Feb-2004 | Software Avail: Jun-2003




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 177 | 18.3 | 2 | 178 | 18.3 |
| 175.vpr | 2 | 266 | 12.2 | 2 | 266 | 12.2 |
| 176.gcc | 2 | 108 | 23.7 | 2 | 107 | 23.8 |
| 181.mcf | 2 | 299 | 14.0 | 2 | 298 | 14.0 |
| 186.crafty | 2 | 152 | 15.2 | 2 | 149 | 15.6 |
| 197.parser | 2 | 242 | 17.3 | 2 | 242 | 17.3 |
| 252.eon | 2 | 141 | 21.5 | 2 | 127 | 23.8 |
| 253.perlbmk | 2 | 264 | 15.8 | 2 | 259 | 16.1 |
| 254.gap | 2 | 121 | 21.1 | 2 | 121 | 21.1 |
| 255.vortex | 2 | 162 | 27.2 | 2 | 162 | 27.2 |
| 256.bzip2 | 2 | 216 | 16.1 | 2 | 209 | 16.6 |
| 300.twolf | 2 | 371 | 18.7 | 2 | 301 | 23.1 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor |
| CPU MHz: | 3200 |
| 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 + 8KB(D) on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 2048(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 4x256MB PC2100 CL2.5 ECC |
| Disk Subsystem: | 1 x 36GB 10K RPM SCSI |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003, Standard Edition (Build 3790) |
| Compiler: | Intel C++ Compiler 8.0 Build 20031017Z<br>Microsoft Visual C++ .Net 2002 (for libraries)<br>SmartHeap Library Version 6.02 from http://www.microquill.com/ |
| File System: | NTFS |
| System State: | Default (Hyper-Threading Technology is disabled) |

## Notes/Tuning Information

```
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy:  -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
ONESTEP=yes    +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxN -Qipo -O3 +FDO
Base tuning for C++ programs: -QxN -Qipo -GX -GR
Peak tuning:
164.gzip:     -QxN -Qipo -Oa -O3 +FDO
175.vpr:      -QxN -Qipo     -O3 +FDO
176.gcc:      -QxN -Qipo     -O3 +FDO
181.mcf:      -QxN -Qipo     -O3 +FDO
186.crafty:   basepeak=yes
197.parser:   -QxN -Qipo     -O3 +FDO
252.eon:      -QxN -Qipo     -O3 +FDO
253.perlbmk:  -QxN -Qipo     -O3 +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
```

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## Notes/Tuning Information (Continued)

```
300.twolf:    -QxN -Qipo     -O3 +FDO shlW32M.lib
Extra libraries:
shlW32M.lib MicroQuill SmartHeap Library 6.02, "www.microquill.com"
```