## CINT2000 Result

**IBM**

IBM eServer xSeries 346 (3.4 GHz Intel Xeon)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Base Copies</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
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</table>

**Hardware**

- **CPU:** Intel Xeon (3.4 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
- **CPU MHz:** 3400
- **FPU:** Integrated
- **CPU(s) enabled:** 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
- **CPU(s) orderable:** 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
- **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

**Software**

- **Operating System:** Windows Server 2003 Standard Edition
- **Compiler:** Intel C++ Compiler 8.1 (20050409)
- **File System:** NTFS
- **System State:** Default

**Notes/Tuning Information**

**GENERAL**

- ONESTEP=yes
- FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

**PORTABILITY FLAGS**

- 176.gcc: -Daloca=_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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SPECint_rate2000 = 38.9
SPECint_rate_base2000 = 38.0

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