# IBM eServer xSeries 336 (2.8 GHz Xeon, 2MB L2 Cache)

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<th>Benchmark</th>
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<th>Base Ratio</th>
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</table>

## Hardware
- **CPU:** Intel Xeon 2.8 GHz (800 MHz system bus)
- **CPU MHz:** 2800
- **FPU:** Integrated
- **CPU(s) enabled:** 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
- **CPU(s) orderable:** 1
- **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:**

## Operating System:

## Compiler:
- Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
- Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications
- 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**
- 178.galgel: -FI /F32000000
- 191.fma3d: srcalt=windowsdp

**BASE TUNING**
- C/F77/F90: -fast -Qansi_alias +FDO

**PEAK TUNING**
- 168.wupwise: basepeak=yes
- 171.swim: -fast -f77rt1 +FDO
- 172.mgrid: basepeak=yes
- 173.applu: -fast -Qscalar_rep -Qauto -f77rt1 +FDO
- 177.mesa: -fast +FDO
- 178.galgel: basepeak=yes
- 179.art: basepeak=yes
- 183.equake: -fast -Oa -Qrcd +FDO shlw32M.lib
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SPECfp_rate2000 = 29.4
SPECfp_rate_base2000 = 28.8

Notes/Tuning Information (Continued)

187.facerec:  -fast  -Qunroll1 -Qscalar_rep- +FDO
188.ammp:   basepeak=yes
189.lucas:   -fast
191.fma3d:   basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi:    basepeak=yes