**IBM Corporation**

**IBM System x3500 (Intel Xeon E5335)**  

**SPECfp®_rate2006 = Not Run**  

**SPECfp_rate_base2006 = 48.8**

**CPU2006 license:** 11  
**Test sponsor:** IBM Corporation  
**Tested by:** IBM Corporation  
**CPU Name:** Intel Xeon E5335  
**CPU Characteristics:** 1066MHz system bus  
**CPU MHz:** 2000  
**FPU:** Integrated  
**CPU(s) enabled:** 8 cores, 2 chips, 4 cores/chip  
**CPU(s) orderable:** 1 chip  
**Primary Cache:** 32 KB I + 32 KB D on chip per core  
**Secondary Cache:** 8 MB I+D on chip per core, 4 MB shared / 2 cores  

**Software**  
**Operating System:** Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
**Compiler:** Intel C++ Compiler for IA32 version 9.1  
**Auto Parallel:** No  
**File System:** NTFS  

**Hardware**:  

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<tbody>
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<td>416.gamess 8</td>
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IBM Corporation

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CPU2006 license: 11
Test sponsor: IBM Corporation
Tested by: IBM Corporation
Test date: Jan-2007
Hardware Availability: Feb-2007
Software Availability: Aug-2006

L3 Cache: None
Other Cache: None
Memory: 8 GB (8 x 1GB DDR2-5300F ECC)
Disk Subsystem: 1 x 80 GB SATA, 7200 RPM
Other Hardware: None
System State: Default
Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: Smart Heap Library, Version 8

Results Table

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Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

This result was measured on an IBM System X 3400. IBM System X 3400 and IBM System X 3500 are electronically equivalent.

Base Compiler Invocation

C benchmarks:
icl -Qv=7.1 -Qc99

C++ benchmarks:
icl -Qv=7.1

Continued on next page
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SPEC CFP2006 Result
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Base Compiler Invocation (Continued)

Fortran benchmarks:
  ifort

Benchmarks using both Fortran and C:
  icl -Qvc7.1 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qtolowercase /assume:underscore
  -TP
444.namd: -D DEAL II_MEMBER_VAR_SPECIALIZATION_BUG
  -DBOOST_NO_INTRINSIC_WCHAR_T
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
  -DBOOST_NO_INTRINSIC_WCHAR_T
453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qtolowercase
  -Qtolowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:
  -fast /F95000000 shlw32m.lib
  -link /FORCE:MULTIPLE
C++ benchmarks:
  -fast -Qcxx_features /F950000000 shlw32m.lib
  -link /FORCE:MULTIPLE
Fortran benchmarks:
  -fast /F950000000
  -link /FORCE:MULTIPLE
Benchmarks using both Fortran and C:
  -fast /F950000000
  -link /FORCE:MULTIPLE

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.xml
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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
Originally published on 8 February 2007.