



# CFP2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

## IBM Corporation

IBM BladeCenter HS21 (2.33 GHz Xeon E5345, 8MB L2 Cache)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 96.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Nov-2006 | Hardware Avail: Feb-2007 | Software Avail: Mar-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	136	109			
171.swim	8	553	52.0			
172.mgrid	8	340	49.2			
173.applu	8	370	52.7			
177.mesa	8	65.2	199			
178.galgel	8	87.3	308			
179.art	8	100	241			
183.quake	8	179	67.5			
187.facerec	8	145	122			
188.amp	8	179	114			
189.lucas	8	323	57.5			
191.fma3d	8	300	64.9			
200.sixtrack	8	125	81.9			
301.apsi	8	257	94.0			

### Hardware

CPU: Intel Xeon processor E5345 (2.33 GHz, 1333 MHz bus)  
 CPU MHz: 2333  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
 CPU(s) orderable: 1, 2 chips  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
 Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 1024 MB ECC PC2-5300F  
 Disk Subsystem: 73GB SAS 10K RPM  
 Other Hardware: Memory and I/O Expansion Unit (P/N 42C1600)

### Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)  
 Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications  
 Build 20060323Z  
 Microsoft Visual Studio 2005(for libraries)  
 SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlW32M.lib
Portability:
178.galgel: -FI /F32000000
```