



# CFP2000 Result

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## IBM Corporation

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

SPECfp2000 = --

SPECfp\_base2000 = 2194

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	54.4	2942		
171.swim	3100	121	2553		
172.mgrid	1800	125	1441		
173.applu	2100	129	1622		
177.mesa	1400	63.1	2220		
178.galgel	2900	51.6	5623		
179.art	2600	31.9	8145		
183.earthquake	1300	50.0	2602		
187.facerec	1900	87.9	2161		
188.amp	2200	132	1662		
189.lucas	2000	111	1796		
191.fma3d	2100	129	1633		
200.sixtrack	1100	118	935		
301.apsi	2600	199	1306		

### 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  
 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 2048 MB ECC PC2-5300F  
 Disk Subsystem: 73GB SAS 10K RPM  
 Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-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
```