



# CFP2000 Result

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## IBM Corporation

IBM BladeCenter HS21 XM ( 3.0 GHz Xeon 5160, 4MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 2636

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	47.3	3381		
171.swim	3100	113	2752		
172.mgrid	1800	102	1760		
173.applu	2100	113	1862		
177.mesa	1400	50.0	2803		
178.galgel	2900	40.3	7194		
179.art	2600	24.8	10465		
183.quake	1300	44.0	2956		
187.facerec	1900	71.6	2654		
188.amp	2200	105	2094		
189.lucas	2000	97.7	2046		
191.fma3d	2100	108	1950		
200.sixtrack	1100	91.7	1200		
301.apsi	2600	168	1544		

### Hardware

CPU: Intel Xeon processor 5160 (3.0 GHz, 1333 MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 4096KB(I+D) on chip (per chip)  
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
```