



# CFP2000 Result

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## IBM Corporation

IBM BladeCenter HS21 (2.33 GHz Xeon 5140, 4MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 2223

SPEC license #: 11 Tested by: IBM Corporation Test date: May-2006 Hardware Avail: Jul-2006 Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	53.4	2995			
171.swim	3100	116	2672			
172.mgrid	1800	123	1461			
173.applu	2100	127	1651			
177.mesa	1400	62.8	2231			
178.galgel	2900	51.1	5671			
179.art	2600	32.0	8121			
183.earth	1300	48.9	2658			
187.facerec	1900	86.5	2196			
188.amp	2200	133	1656			
189.lucas	2000	109	1832			
191.fma3d	2100	127	1659			
200.sixtrack	1100	118	936			
301.apsi	2600	198	1316			

### Hardware

CPU: Intel Xeon processor 5140 (2.33 GHz, 1333 MHz bus)  
CPU MHz: 2333  
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 1024 MB ECC PC2-5300F  
Disk Subsystem: 73GB SAS 15K 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
```