



# CFP2000 Result

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## IBM Corporation

IBM BladeCenter HS21 XM (1.86 GHz Xeon E5320, 8MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 1780

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	66.6	2402		
171.swim	3100	151	2059		
172.mgrid	1800	155	1165		
173.applu	2100	160	1316		
177.mesa	1400	78.8	1777		
178.galgel	2900	64.4	4503		
179.art	2600	39.9	6518		
183.earthquake	1300	60.7	2142		
187.facerec	1900	108	1755		
188.amp	2200	165	1336		
189.lucas	2000	135	1479		
191.fma3d	2100	159	1318		
200.sixtrack	1100	147	748		
301.apsi	2600	234	1110		

### Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 1066 MHz bus)  
 CPU MHz: 1866  
 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
```