



# CFP2000 Result

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## IBM Corporation

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

SPECfp2000 = --

SPECfp\_base2000 = 1785

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	66.4	2408		
171.swim	3100	150	2065		
172.mgrid	1800	154	1172		
173.applu	2100	159	1318		
177.mesa	1400	78.6	1781		
178.galgel	2900	64.0	4530		
179.art	2600	39.9	6518		
183.earth	1300	60.2	2159		
187.facerec	1900	108	1763		
188.amp	2200	166	1327		
189.lucas	2000	135	1484		
191.fma3d	2100	159	1321		
200.sixtrack	1100	147	748		
301.apsi	2600	233	1114		

### 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 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
```