



# CFP2000 Result

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## IBM Corporation

IBM System X 3200 (2.13 GHz Xeon X3210, 8MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 2268

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	44.9	3560		
171.swim	3100	120	2584		
172.mgrid	1800	129	1398		
173.applu	2100	117	1792		
177.mesa	1400	66.5	2105		
178.galgel	2900	56.1	5171		
179.art	2600	34.8	7462		
183.earth	1300	43.5	2991		
187.facerec	1900	84.0	2262		
188.amp	2200	141	1556		
189.lucas	2000	87.3	2291		
191.fma3d	2100	127	1653		
200.sixtrack	1100	129	855		
301.apsi	2600	174	1491		

### Hardware

CPU: Intel Xeon processor X3210 (2.13 GHz, 1066 MHz bus)  
CPU MHz: 2133  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1 chip  
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: 4 x 2048 MB ECC PC2-5300  
Disk Subsystem: 80GB SATA 7200 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
```