



# CFP2000 Result

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## IBM Corporation

IBM System X 3400 (1.86 GHz Xeon E5320, 8MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 1823

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	63.1	2536			
171.swim	3100	147	2111			
172.mgrid	1800	151	1189			
173.applu	2100	153	1371			
177.mesa	1400	78.1	1793			
178.galgel	2900	63.9	4539			
179.art	2600	40.1	6487			
183.earthquake	1300	57.9	2244			
187.facerec	1900	105	1817			
188.amp	2200	164	1343			
189.lucas	2000	127	1579			
191.fma3d	2100	156	1348			
200.sixtrack	1100	147	747			
301.apsi	2600	232	1120			

### 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: 80GB SATA 10K RPM  
Other Hardware:

### 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
```

This result was measured on an IBM System X 3400. IBM System X 3400 and IBM System X 3500 are electronically equivalent.