



# CFP2000 Result

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## IBM Corporation

IBM System X 3650 (3.0 GHz Xeon 5160, 4MB L2 Cache)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 81.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108			
171.swim	4	262	54.8			
172.mgrid	4	164	50.8			
173.applu	4	188	51.9			
177.mesa	4	50.5	129			
178.galgel	4	57.7	233			
179.art	4	57.9	209			
183.quake	4	86.9	69.4			
187.facerec	4	91.1	96.8			
188.amp	4	135	75.6			
189.lucas	4	171	54.2			
191.fma3d	4	165	59.0			
200.sixtrack	4	94.1	54.2			
301.apsi	4	196	61.7			

### Hardware

CPU: Intel Xeon processor 5160 ( 3.0 GHz, 1333 MHz bus)  
 CPU MHz: 3000  
 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  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 1024 MB ECC PC2-5300  
 Disk Subsystem: 73GB SAS 15K 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 Package ID: W\_FC\_P\_9.1.020  
 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 177.mesa: -fast +FDO shlw32M.lib
Base tuning for 179.art: -fast +FDO shlw32M.lib
Base tuning for 183.quake: -fast +FDO shlw32M.lib
Base tuning for 188.amp: -fast +FDO shlw32M.lib
Portability:
178.galgel: -FI /F32000000
```