



# CFP2000 Result

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## IBM Corporation

IBM System X 3500 (1.60 GHz Xeon 5110, 4MB L2 Cache)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 55.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	92.8	80.0			
171.swim	4	339	42.5			
172.mgrid	4	218	38.3			
173.applu	4	245	39.8			
177.mesa	4	93.7	69.3			
178.galgel	4	95.6	141			
179.art	4	82.6	146			
183.quake	4	115	52.2			
187.facerec	4	136	65.1			
188.amp	4	224	45.7			
189.lucas	4	220	42.1			
191.fma3d	4	225	43.3			
200.sixtrack	4	175	29.2			
301.apsi	4	285	42.3			

### Hardware

CPU: Intel Xeon processor 5110 (1.60 GHz, 1066 MHz bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 4096KB(I+D) on chip (per chip)  
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 3500 and IBM System X 3400 are electronically equivalent.