



# CFP2000 Result

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## IBM Corporation

IBM System X 3400 (1.86 GHz Xeon 5120, 4MB L2 Cache)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 35.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	66.2	56.1			
171.swim	2	240	29.9			
172.mgrid	2	174	24.0			
173.applu	2	195	24.9			
177.mesa	2	76.4	42.5			
178.galgel	2	79.5	84.7			
179.art	2	64.1	94.1			
183.quake	2	80.8	37.3			
187.facerec	2	111	39.6			
188.amp	2	194	26.3			
189.lucas	2	147	31.6			
191.fma3d	2	181	26.9			
200.sixtrack	2	149	17.1			
301.apsi	2	246	24.5			

### Hardware

CPU: Intel Xeon processor 5120 ( 1.86 GHz, 1066 MHz bus)  
 CPU MHz: 1866  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 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 3400 and IBM System X 3500 are electronically equivalent.