



# CFP2000 Result

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**IBM Corporation**  
IBM eServer xSeries 346 (2.8 GHz Xeon, 2MB L2 Cache)

SPECfp2000 = **1588**  
SPECfp\_base2000 = **1563**

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	71.6	2235	71.6	2235	
171.swim	3100	137	2263	137	2264	
172.mgrid	1800	145	1244	145	1244	
173.applu	2100	160	1316	157	1336	
177.mesa	1400	114	1231	114	1231	
178.galgel	2900	99.0	2931	99.0	2931	
179.art	2600	69.7	3733	69.7	3733	
183.quake	1300	65.3	1990	53.4	2435	
187.facerec	1900	118	1614	118	1614	
188.amp	2200	212	1037	212	1037	
189.lucas	2000	108	1856	107	1867	
191.fma3d	2100	167	1255	167	1255	
200.sixtrack	1100	198	556	198	556	
301.apsi	2600	240	1082	240	1082	

### Hardware

CPU: Intel Xeon 2.8 (800 MHz system bus)  
 CPU MHz: 2800  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 512 MB ECC PC2-3200 Single Rank  
 Disk Subsystem: 73GB SCSI 10K RPM  
 Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
 Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications  
 Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications  
 Microsoft Visual Studio .NET 13.0.9466 (for libraries)  
 MicroQuill Smartheap Library 7.30  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
 +FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY

178.galgel: -FI /F3200000  
 191.fma3d: srcalt=windowsdp

### BASE TUNING

C/F77/F90: -fast -Qansi\_alias +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
 171.swim: -fast -f77rtl +FDO  
 172.mgrid: basepeak=yes  
 173.applu: -fast -Qscalar\_rep- -Qauto -f77rtl +FDO  
 177.mesa: -fast +FDO  
 178.galgel: basepeak=yes  
 179.art: basepeak=yes  
 183.quake: -fast -Oa -Qrcd +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: basepeak=yes
189.lucas: -fast
191.fma3d: basepeak=yes
200.sixtrack: -Qipo +FDO
301.apsi: basepeak=yes
```