



# CFP2000 Result

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IBM Corporation  
IBM eServer xSeries 226 (3.2 GHz Intel Xeon)

SPECfp2000 = 1673  
SPECfp\_base2000 = 1650

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Jun-2005 | Hardware Avail: Feb-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	66.7	2398	66.7	2398	
171.swim	3100	138	2247	138	2247	
172.mgrid	1800	129	1394	129	1394	
173.applu	2100	153	1373	154	1366	
177.mesa	1400	99.8	1404	99.8	1404	
178.galgel	2900	90.8	3192	90.8	3192	
179.art	2600	68.8	3777	68.8	3777	
183.earthquake	1300	71.5	1819	59.6	2181	
187.facerec	1900	113	1687	113	1687	
188.ammpp	2200	194	1136	194	1136	
189.lucas	2000	102	1959	101	1982	
191.fma3d	2100	156	1349	156	1349	
200.sixtrack	1100	190	578	188	586	
301.apsi	2600	219	1189	219	1189	

### Hardware

CPU: Intel Xeon (3.2 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)  
CPU MHz: 3200  
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: 4 x 2048 MB PC2-3200 Dual Rank  
Disk Subsystem: 73GB SCSI 10K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
Compiler: Intel C/C++ Compiler 8.1 (20050409)  
Intel Fortran Compiler 8.1 (20050405Z)  
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 /F32000000

### BASE TUNING

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

### PEAK TUNING

168.wupwise: basepeak=yes  
171.swim: -fast -QxP -f77rtl +FDO  
172.mgrid: basepeak=yes  
173.applu: -fast -QxP -Qscalar\_rep- -Qauto -f77rtl +FDO  
177.mesa: basepeak=yes  
178.galgel: basepeak=yes  
179.art: basepeak=yes  
183.earthquake: -fast -QxP -Oa -Qrcd +FDO shlW32M.lib  
187.facerec: basepeak=yes



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## Notes/Tuning Information (Continued)

188. ammp: basepeak=yes  
189. lucas: -fast -QxP  
191. fma3d: basepeak=yes  
200. sixtrack: -QxP -Qipo +FDO  
301. apsi: -fast -QxP -f77rtl +FDO