



# CFP2000 Result

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IBM Corporation  
IBM eServer xSeries 236 (3.6 GHz Intel Xeon)

SPECfp2000 = 1807  
SPECfp\_base2000 = 1779

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	1000	2000	3000	4000
168.wupwise	1600	62.0	2583	62.0	2583				
171.swim	3100	136	2276	136	2275				
172.mgrid	1800	119	1517	119	1517				
173.applu	2100	142	1476	143	1470				
177.mesa	1400	89.0	1574	89.0	1574				
178.galgel	2900	82.5	3514	82.5	3514				
179.art	2600	65.0	3998	65.0	3998				
183.quake	1300	67.2	1936	55.0	2365				
187.facerec	1900	104	1818	104	1818				
188.amp	2200	178	1239	178	1239				
189.lucas	2000	98.0	2041	97.2	2059				
191.fma3d	2100	144	1454	144	1454				
200.sixtrack	1100	169	650	167	658				
301.apsi	2600	199	1304	199	1304				

### Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)  
 CPU MHz: 3600  
 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 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.quake: -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