



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## IBM Corporation

IBM eServer xSeries x306m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECfp2000 = 1777

SPECfp\_base2000 = 1757

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	63.9	2504	63.9	2504	
171.swim	3100	119	2607	119	2610	
172.mgrid	1800	129	1390	129	1390	
173.applu	2100	138	1521	142	1477	
177.mesa	1400	106	1318	106	1319	
178.galgel	2900	89.7	3235	89.7	3235	
179.art	2600	61.3	4244	61.3	4244	
183.quake	1300	56.2	2314	47.5	2738	
187.facerec	1900	101	1873	101	1875	
188.amp	2200	190	1159	190	1159	
189.lucas	2000	95.8	2089	94.3	2122	
191.fma3d	2100	148	1416	148	1416	
200.sixtrack	1100	184	597	184	597	
301.apsi	2600	216	1202	216	1202	

### Hardware

CPU: Intel Pentium 4 631 (800 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1  
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 1024 MB ECC PC2-4200 Single Rank  
Disk Subsystem: 80GB SATA 10K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications  
Intel Fortran Compiler 9.0 (20051130Z) 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 /F32000000

### 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  
187.facerec: -fast -Qunroll1 -Qscalar\_rep- +FDO



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**IBM Corporation**

IBM eServer xSeries x306m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECfp2000 = 1777

SPECfp\_base2000 = 1757

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

## Notes/Tuning Information (Continued)

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