



# CFP2000 Result

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## IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium D 920, 2x2MB L2 Cache)

SPECfp2000 = 1682

SPECfp\_base2000 = 1665

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	Bar Chart
168.wupwise	1600	66.9	2392	66.9	2392	[Bar]
171.swim	3100	124	2502	124	2497	[Bar]
172.mgrid	1800	138	1307	138	1307	[Bar]
173.applu	2100	145	1453	149	1414	[Bar]
177.mesa	1400	113	1234	114	1233	[Bar]
178.galgel	2900	95.0	3052	95.0	3052	[Bar]
179.art	2600	64.3	4046	64.3	4046	[Bar]
183.quake	1300	58.6	2217	50.1	2595	[Bar]
187.facerec	1900	107	1770	107	1770	[Bar]
188.amp	2200	199	1104	199	1104	[Bar]
189.lucas	2000	102	1964	100	2000	[Bar]
191.fma3d	2100	157	1336	157	1336	[Bar]
200.sixtrack	1100	195	564	195	564	[Bar]
301.apsi	2600	230	1129	230	1129	[Bar]

### Hardware

CPU: Intel Pentium D 920 (800 MHz system bus)  
CPU MHz: 2800  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core  
Secondary Cache: 2048KB(I+D) (on chip) per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 1024 MB ECC PC2-4200 Single Rank  
Disk Subsystem: 73GB SAS 15K 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



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## Notes/Tuning Information (Continued)

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