



# CFP2000 Result

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## IBM Corporation

IBM eServer xSeries 260 (3.66 GHz Xeon MP, 1MB L2 Cache)

SPECfp2000 = 1717

SPECfp\_base2000 = 1694

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	61.1	2619	61.1	2619				
171.swim	3100	126	2466	126	2466				
172.mgrid	1800	119	1517	119	1517				
173.applu	2100	131	1608	129	1632				
177.mesa	1400	88.6	1579	88.6	1581				
178.galgel	2900	117	2480	117	2480				
179.art	2600	90.7	2866	90.7	2866				
183.earthquake	1300	65.0	2001	53.9	2411				
187.facerec	1900	106	1797	105	1809				
188.ammmp	2200	237	927	237	927				
189.lucas	2000	94.5	2116	96.2	2080				
191.fma3d	2100	140	1505	140	1505				
200.sixtrack	1100	152	724	152	724				
301.apsi	2600	220	1179	220	1179				

### Hardware

CPU: Intel Xeon MP 3.66 GHz (667 MHz system bus)  
CPU MHz: 3667  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 16 x 2048 MB ECC PC2-3200 Dual Rank  
Disk Subsystem: 73GB SAS 15K 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.earthquake: -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
```