



# CFP2000 Result

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## IBM Corporation

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

SPECfp\_rate2000 = 48.8

SPECfp\_rate\_base2000 = 47.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	133	55.9	4	133	55.9
171.swim	4	649	22.2	4	649	22.2
172.mgrid	4	173	48.3	4	173	48.3
173.applu	4	360	27.1	4	360	27.1
177.mesa	4	89.0	73.0	4	89.0	73.0
178.galgel	4	154	87.5	4	154	87.5
179.art	4	147	81.9	4	147	81.9
183.quake	4	107	56.6	4	81.3	74.2
187.facerec	4	124	71.3	4	123	71.6
188.amp	4	259	39.4	4	259	39.4
189.lucas	4	239	38.9	4	238	39.0
191.fma3d	4	226	43.2	4	226	43.2
200.sixtrack	4	154	33.1	4	154	33.2
301.apsi	4	277	43.5	4	277	43.5

### Hardware

CPU: Intel Xeon MP 3.66 GHz (667 MHz system bus)  
CPU MHz: 3667  
FPU: Integrated  
CPU(s) enabled: 4 cores, 4 chips, 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.quake: -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