



# CFP2000 Result

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## IBM Corporation

### IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECfp\_rate2000 = 40.8

SPECfp\_rate\_base2000 = 40.0

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Jun-2005 | Hardware Avail: Mar-2005 | Software Avail: Apr-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	136	54.4	4	136	54.4
171.swim	4	676	21.3	4	676	21.3
172.mgrid	4	230	36.4	4	230	36.4
173.applu	4	386	25.2	4	388	25.1
177.mesa	4	105	61.8	4	105	61.8
178.galgel	4	199	67.8	4	199	67.8
179.art	4	207	58.3	4	207	58.3
183.quake	4	141	42.8	4	108	56.1
187.facerec	4	156	56.4	4	156	56.4
188.amp	4	299	34.1	4	299	34.1
189.lucas	4	277	33.5	4	276	33.6
191.fma3d	4	270	36.1	4	270	36.1
200.sixtrack	4	196	26.1	4	193	26.4
301.apsi	4	304	39.7	4	307	39.2

### Hardware

CPU: Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)  
 CPU MHz: 3167  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2,4  
 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: 8 x 2048 MB ECC DDR2 Dual Rank  
 Disk Subsystem: 36GB SAS 10K RPM  
 Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
 Compiler: Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications  
 Intel Fortran Compiler 8.1 (20050405Z) 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=windowsdph

### 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



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## Notes/Tuning Information (Continued)

187.facerec: basepeak=yes  
188.amp: basepeak=yes  
189.lucas: -fast -QxP  
191.fma3d: basepeak=yes  
200.sixtrack: -QxP -Qipo +FDO  
301.apsi: -fast -QxP -f77rtl +FDO