



# CFP2000 Result

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**IBM Corporation**  
IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECfp2000 = **1516**  
SPECfp\_base2000 = **1493**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	68.9	2323	68.9	2323	
171.swim	3100	138	2249	138	2246	
172.mgrid	1800	133	1358	133	1358	
173.applu	2100	151	1390	151	1388	
177.mesa	1400	101	1384	101	1384	
178.galgel	2900	123	2355	123	2355	
179.art	2600	101	2587	101	2587	
183.quake	1300	76.0	1711	64.0	2032	
187.facerec	1900	124	1535	124	1535	
188.amp	2200	269	819	269	819	
189.lucas	2000	104	1914	101	1971	
191.fma3d	2100	158	1332	158	1332	
200.sixtrack	1100	194	568	191	575	
301.apsi	2600	246	1056	246	1056	

### Hardware

CPU: Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)  
 CPU MHz: 3167  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1  
 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=windowsdp

### 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