



# CFP2000 Result

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## IBM Corporation

IBM eServer xSeries 306m (3.6 GHz Pentium 4 660, 2MB L2 Cache)

SPECfp2000 = 2028

SPECfp\_base2000 = 1998

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	56.5	2830	56.5	2830	
171.swim	3100	114	2719	114	2719	
172.mgrid	1800	111	1615	111	1615	
173.applu	2100	125	1677	123	1701	
177.mesa	1400	88.7	1579	88.7	1578	
178.galgel	2900	77.3	3754	77.3	3754	
179.art	2600	53.1	4897	53.1	4897	
183.quake	1300	52.5	2478	43.3	3003	
187.facerec	1900	89.3	2128	89.2	2130	
188.amp	2200	163	1350	163	1350	
189.lucas	2000	85.1	2351	84.5	2367	
191.fma3d	2100	131	1605	131	1605	
200.sixtrack	1100	154	715	154	715	
301.apsi	2600	187	1387	187	1387	

### Hardware

CPU: Intel Pentium 4 660 (800 MHz system bus)  
 CPU MHz: 3600  
 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: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4 x 1024 MB ECC PC2-3200 Single Rank  
 Disk Subsystem: 75GB SATA 7.2K 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
```