



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation  
IBM eServer xSeries 236 (3.6 GHz Intel Xeon)

SPECfp\_rate2000 = 32.0  
SPECfp\_rate\_base2000 = 31.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.9	51.6	2	71.9	51.6
171.swim	2	272	26.4	2	272	26.4
172.mgrid	2	179	23.3	2	179	23.3
173.applu	2	214	22.7	2	209	23.4
177.mesa	2	89.3	36.4	2	89.3	36.4
178.galgel	2	93.9	71.6	2	93.9	71.6
179.art	2	89.8	67.2	2	89.8	67.2
183.quake	2	111	27.2	2	82.7	36.5
187.facerec	2	123	35.8	2	123	35.8
188.amp	2	184	27.8	2	184	27.8
189.lucas	2	181	25.6	2	181	25.6
191.fma3d	2	199	24.5	2	199	24.5
200.sixtrack	2	170	15.0	2	167	15.2
301.apsi	2	230	26.2	2	230	26.2

### Hardware

CPU: Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
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: 8 x 512 MB ECC PC2-3200 Single Rank  
Disk Subsystem: 73GB SCSI 10K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard Edition  
Compiler: Intel C/C++ Compiler 8.1 (20050409)  
Intel Fortran Compiler 8.1 (20050405Z)  
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

### 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  
187.facerec: basepeak=yes



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries 236 (3.6 GHz Intel Xeon)

SPECfp\_rate2000 = 32.0

SPECfp\_rate\_base2000 = 31.2

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

## Notes/Tuning Information (Continued)

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