



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 236 (3.0 GHz Intel Xeon)

SPECfp2000 = 1599
SPECfp_base2000 = 1577

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	69.8	2294	69.8	2294	
171.swim	3100	140	2214	140	2213	
172.mgrid	1800	136	1326	136	1326	
173.applu	2100	160	1315	161	1306	
177.mesa	1400	106	1318	106	1318	
178.galgel	2900	96.0	3020	96.0	3020	
179.art	2600	71.4	3640	71.4	3640	
183.earthquake	1300	74.4	1748	62.6	2075	
187.facerec	1900	117	1620	117	1620	
188.ammpp	2200	204	1080	204	1080	
189.lucas	2000	105	1903	104	1932	
191.fma3d	2100	163	1291	163	1291	
200.sixtrack	1100	203	541	200	550	
301.apsi	2600	231	1128	230	1128	

Hardware

CPU: Intel Xeon (3.0 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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) 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.earthquake: -fast -QxP -Oa -Qrcd +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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