



CFP2000 Result

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IBM Corporation
IBM eServer xSeries 236 (2.8 GHz Xeon, 2MB L2 Cache)

SPECfp2000 = **1590**
SPECfp_base2000 = **1564**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	71.6	2236	71.6	2236	
171.swim	3100	137	2265	137	2265	
172.mgrid	1800	145	1244	145	1244	
173.applu	2100	160	1316	157	1336	
177.mesa	1400	114	1231	114	1231	
178.galgel	2900	99.1	2927	99.1	2927	
179.art	2600	68.9	3775	68.9	3775	
183.earthquake	1300	65.4	1989	53.4	2436	
187.facerec	1900	118	1614	118	1614	
188.ammpp	2200	212	1036	212	1036	
189.lucas	2000	108	1856	107	1868	
191.fma3d	2100	167	1255	167	1255	
200.sixtrack	1100	198	556	198	556	
301.apsi	2600	240	1082	240	1082	

Hardware

CPU: Intel Xeon 2.8 (800 MHz system bus)
CPU MHz: 2800
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 2048 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 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 /F32000000

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.earthquake: -fast -Oa -Qrcd +FDO shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

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